

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

LAL, Preeti
 TANG, Y. Tom
 GORGONE, Gina A.
 CORLEY, Neil C.
 GUEGLER, Karl J.
 BAUGHN, Mariah R.
 AKERBLOM, Ingrid E.
 AU-YOUNG, Janice
 YUE, Henry
 PATTERSON, Chandra
 REDDY, Roopa
 HILLMAN, Jennifer L.
 BANDMAN, Olga

<120> HUMAN SIGNAL PEPTIDE-CONTAINING PROTEINS

<130> PF-0541 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/090,762; 60/094,983; 60/102,686; 60/112,129

<151> 1998-06-26; 1998-07-31; 1998-10-01; 1998-12-11

<160> 268

<170> PERL Program

<210> 1

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 443531

<400> 1

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Met Ser Trp Trp Leu Cys Leu Pro Leu Gly Leu Phe Gly Ser Cys
  1             5             10             15
100 Ala Asp Ala Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
      20             25             30
Gln His Asp Gly Ala Gln Pro Ser Pro Lys Cys Leu Ala Glu Glu
      35             40             45
Leu Gly Asp Ala Trp Thr Ile Gln Ile Glu Ala Asn Trp Lys Tyr
      50             55             60
Arg Ala Val Asn Thr Asn Gln Arg Gly Lys Leu Leu Ala Ser Glu
      65             70             75
Thr Trp Lys Gly Arg Arg Asn Thr Phe Phe Phe Leu Pro
      80             85

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<210> 2
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<400> 2
 Met Trp Pro Ala Gly Leu Gly Arg Ser Leu Leu Ala Gln Pro Ala
 1 5 10 15
 Leu Cys Ser Phe Met Gly Pro Gln Trp Ile Leu Gln Phe Cys Ser
 20 25 30
 Trp Leu Glu Pro Arg Gln Leu Arg Trp Ser Trp Thr Glu Pro Pro
 35 40 45
 Phe Thr Leu Leu Asp Ser Leu Gly Leu Arg Ala Ala Gln Asp Ser
 50 55 60
 Cys Ser Phe Thr Thr Leu Val Pro Leu Thr Leu Asp Ser Ser Phe
 65 70 75
 Met Thr Val Asn Val Val Pro Phe Val Trp Thr Ser Ser Phe Phe
 80 85 90
 Arg Ala Phe Gln Tyr Pro Val Thr Ser Pro Cys Arg Thr Lys Asn
 95 100 105
 Thr Pro Leu Leu Ile Asp Gly Val Thr Arg Ile Gln Ala Thr Trp
 110 115 120
 Pro Glu Ala Arg Ser Gln His Glu
 125

<210> 3
 <211> 111
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 <213> Homo sapiens

<220>
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 <223> Incyte Clone No: 670010

<400> 3
 Met Gly Leu Leu Leu Leu Val Leu Thr Leu Ser Asn Leu Pro Val
 1 5 10 15
 Ala Tyr Thr Ile Met Ser Leu Pro Pro Ser Phe Asp Cys Gly Pro
 20 25 30
 Gly Ser Leu Leu Arg Gly Pro Arg Pro Arg Ile Pro Val Leu Val
 35 40 45
 Gly Ser Leu Leu Arg Gly Pro Arg Pro Arg Ile Pro Val Leu Val
 50 55 60
 Ser Cys Gln Pro Val Lys Gly His Gly Thr Leu Gly Gln Ser Pro
 65 70 75
 Met Pro Phe Lys Arg Val Phe Cys Gln Asp Gly Asn Val Arg Ser
 80 85 90
 Phe Cys Val Cys Ala Val His Phe Ser Ser His Gln Pro Pro Val
 95 100 105
 Ala Val Glu Cys Leu Lys

110

<210> 4
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<220>
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 <223> Incyte Clone No: 726498

<400> 4
 Met Trp Arg Leu Arg Arg Asn Leu Ala Leu Pro Pro Gly Lys Leu
 1 5 10 15
 Ala Trp Leu Tyr Leu Ser Val Phe Ser Gln Gly Ser Arg Ala Met
 20 25 30
 Met Ser Leu Thr Glu Ile Arg Leu Lys His Met Leu Glu Ile Trp
 35 40 45
 His Gly Arg Gln Ala Arg Ala Cys Glu Asn Leu Arg Asn Gln Thr
 50 55 60
 Arg Val Ala Thr Lys Val Glu Pro Gln Lys Gly Arg Ser Thr Glu
 65 70 75
 Ile Cys Cys Leu Ala Val Val Pro Leu Asn Glu Val Val Gln Ser
 80 85 90
 Ser Ile Leu Trp Trp Val Trp Ser Cys Cys Gln His Gln Glu Asp
 95 100 105
 Lys Leu Gly Ala Lys
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 <223> Incyte Clone No: 726498

<400> 5
 Met Ala Glu Ser Gly Leu Thr Ser Leu Pro Gly Thr Ala Ser Trp
 1 5 10 15
 Phe Cys Phe Leu Pro Val Ser Gln Arg Lys Ala Thr Ser Lys Lys
 20 25 30
 Leu Leu Leu Lys Ala Arg Lys Lys Ser Gly Phe Glu Leu Ser Val
 35 40 45
 Thr Asp Ser Ser Glu Cys Phe Arg Val Thr Ala Ser Val Arg Gly
 50 55 60
 Met Lys Leu Arg Phe Ala Lys Glu Asn Glu Cys Thr Lys Asn P
 65 70 75
 Cys Phe Gly

<210> 6
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte Clone No: 924925

<400> 6
 Met Trp Pro Ser Gln Val Pro Leu Leu Ala Phe Cys Phe Leu Leu
 1 5 10 15
 Val Lys Ser Thr Ser Asn Ile Asn Leu Pro Thr Pro Pro Pro Ser
 20 25 30
 Ser Leu Glu Asn Ser Ser Phe Val Val Ser Gln Arg Gly Asn Leu
 35 40 45
 Ile Val Phe Gly Gly Gln Lys Lys Ala Thr Phe Arg Tyr His Phe
 50 55 60
 Tyr Leu Asp Arg Met Pro Phe Tyr Ser Gln Ile Ser Val Tyr Phe
 65 70 75
 Val Asn Gly Phe Arg Val Asn Gly Tyr Leu Cys Asn Asn
 80 85

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 <213> Homo sapiens

<220>
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 Met Gly Arg Pro Leu Leu Leu Pro Leu Leu Leu Leu Gln Pro
 1 5 10 15
 Pro Ala Phe Leu Gln Pro Gly Gly Ser Thr Gly Ser Gly Pro Ser
 20 25 30
 Tyr Leu Tyr Gly Val Gln Ile Asp Glu Ile Val Tyr Ser Ile
 35 40 45
 Gly Gly Ser Val Glu Ile Pro Phe Ser Phe Tyr Tyr Pro Trp Glu
 50 55 60
 Tyr Ala Ile Val Ile Ile Val Ile Thr Ser Thr Ile Ile Gln His
 65 70 75
 Phe His Gly Gln Ser Phe Tyr Ser Thr Arg Pro Pro Ser Ile His
 80 85 90
 Lys Asp Tyr Val Asn Arg Leu Phe Leu Asn Trp Thr Glu Gly Gln
 95 100 105
 Glu Ser Gly Phe Leu Arg Ile Ser Asn Leu Arg Lys Glu Asp Gln
 110 115 120
 Ser Val Tyr Phe Cys Arg Val Glu Leu Asp Thr Arg Arg Ser Gly
 125 130 135
 Arg Gln Gln Leu Gln Ser Ile Lys Gly Thr Lys Leu Thr Ile Thr

| | | | | | |
|-----------------|---------------------|-------------------------|-----|--|-----|
| | 140 | | 145 | | 150 |
| Gln Ala Val Thr | Thr Thr Thr Thr Trp | Arg Pro Ser Ser Thr Thr | | | |
| | 155 | | 160 | | 165 |
| Thr Ile Ala Gly | Leu Arg Val Thr Glu | Ser Lys Gly His Ser Glu | | | |
| | 170 | | 175 | | 180 |
| Ser Trp His Leu | Ser Leu Asp Thr Ala | Ile Arg Val Ala Leu Ala | | | |
| | 185 | | 190 | | 195 |
| Val Ala Val Leu | Lys Thr Val Ile Leu | Gly Leu Leu Cys Leu Leu | | | |
| | 200 | | 205 | | 210 |
| Leu Leu Trp Trp | Arg Arg Arg Lys Gly | Ser Arg Ala Pro Ser Ser | | | |
| | 215 | | 220 | | 225 |
| Asp Phe | | | | | |

<210> 8

<211> 198

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1259405

<400> 8

| | | |
|---|-----|-----|
| Met Ala Thr Leu Trp Gly Gly Leu Leu Arg Leu Gly Ser Leu Leu | | |
| 1 | 5 | 10 |
| Ser Leu Ser Cys Leu Ala Leu Ser Val Leu Leu Leu Ala Gln Leu | | |
| | 20 | 25 |
| Ser Asp Ala Ala Lys Asn Phe Glu Asp Val Arg Cys Lys Cys Ile | | |
| | 35 | 40 |
| Cys Pro Pro Tyr Lys Glu Asn Ser Gly His Ile Tyr Asn Lys Asn | | |
| | 50 | 55 |
| Ile Ser Gln Lys Asp Cys Asp Cys Leu His Val Val Glu Pro Met | | |
| | 65 | 70 |
| Pro Val Arg Gly Pro Asp Val Glu Ala Tyr Cys Leu Arg Cys Glu | | |
| | 80 | 85 |
| Cys Lys Tyr Glu Glu Arg Ser Ser Val Thr Ile Lys Val Thr Ile | | |
| | 95 | 100 |
| Ile Ile Tyr Leu Ser Ile Leu Gly Leu Leu Leu Leu Tyr Met Val | | |
| | 110 | 115 |
| Tyr Ile Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr | | |
| | 125 | 130 |
| His Ala Gln Leu Ile Gln Ser Asp Asp Asp Ile Gly Asp His Gln | | |
| | 140 | 145 |
| Pro Ile Ala Leu Ala His Asn Val Leu Ala Arg Ser Asp Ser Arg | | |
| | 155 | 160 |
| Ala Asn Val Leu Asn Lys Val Glu Tyr Ala Gln Gln Arg Trp Lys | | |
| | 170 | 175 |
| Leu Gln Val Gln Glu Gln Arg Lys Ser Val Phe Asp Arg His Val | | |
| | 185 | 190 |
| Val Leu Ser | | |

<210> 9
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte Clone No: 1297384

<400> 9
 Met Met Pro Arg Leu Leu Gly Leu Gly Gly Leu Phe Ser Phe Gly
 1 5 10 15
 Gly Leu Pro Leu Leu Leu Phe Phe Gln Arg Ser Arg Ala Ser
 20 25 30
 Leu Ala Ser Ser Ser Thr Gly Leu Trp Ile Asn Gln Leu Pro Lys
 35 40 45
 Gly Cys Thr Cys Arg Val Val Trp Ala Cys Ile Pro Asp Val Leu
 50 55 60
 Glu Tyr Ala Trp Met
 65

<210> 10
 <211> 154
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte Clone No: 1299627

<400> 10
 Met Asp Ala Pro Arg Leu Pro Val Arg Pro Gly Val Leu Leu Pro
 1 5 10 15
 Lys Leu Val Leu Leu Phe Val Tyr Ala Asp Asp Cys Leu Ala Gln
 20 25 30
 Cys Gly Lys Asp Cys Lys Ser Tyr Cys Cys Asp Gly Thr Thr Pro
 35 40 45
 Tyr Cys Cys Ser Tyr Tyr Ala Tyr Ile Gly Asn Ile Leu Ser Gly
 50 55 60
 Thr Ala Ile Ile Val Val Phe Cys Ile Val Ile Ile Ile
 65 70 75
 Val Ile Ala Gly Ile Ala Ile Cys Ile Cys Met Cys Met Lys Asn
 80 85 90
 Thr Val Ser Ser Tyr Pro Gly Pro Pro Pro Tyr Gly His Asp His
 95 100 105
 Thr Val Ser Ser Tyr Pro Gly Pro Pro Pro Tyr Gly His Asp His
 110 115 120
 Glu Met Glu Tyr Cys Ala Asp Leu Pro Pro Pro Tyr Ser Pro Thr
 125 130 135
 Pro Gln Gly Pro Ala Gln Arg Ser Pro Pro Pro Tyr Pro Gly
 140 145 150
 Asn Ala Arg Lys

<210> 11
 <211> 237
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 <213> Homo sapiens

<220>
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 <223> Incyte Clone No: 1306026

<400> 11
 Met Lys Pro Leu Val Leu Leu Val Ala Leu Leu Leu Trp Pro Ser
 1 5 10 15
 Ser Val Pro Ala Tyr Pro Ser Ile Thr Val Thr Pro Asp Glu Glu
 20 25 30
 Gln Asn Leu Asn His Tyr Ile Gln Val Leu Glu Asn Leu Val Arg
 35 40 45
 Ser Val Pro Ser Gly Glu Pro Gly Arg Glu Lys Lys Ser Asn Ser
 50 55 60
 Pro Lys His Val Tyr Ser Ile Ala Ser Lys Gly Ser Lys Phe Lys
 65 70 75
 Glu Leu Val Thr His Gly Asp Ala Ser Thr Glu Asn Asp Val Leu
 80 85 90
 Thr Asn Pro Ile Ser Glu Glu Thr Thr Thr Phe Pro Thr Gly Gly
 95 100 105
 Phe Thr Pro Glu Ile Gly Lys Lys Lys His Thr Glu Ser Thr Pro
 110 115 120
 Phe Trp Ser Ile Lys Pro Asn Asn Val Ser Ile Val Leu His Ala
 125 130 135
 Glu Glu Pro Tyr Ile Glu Asn Glu Glu Pro Glu Pro Glu Pro Glu
 140 145 150
 Pro Ala Ala Lys Gln Thr Glu Ala Pro Arg Met Leu Pro Val Val
 155 160 165
 Thr Glu Ser Ser Thr Ser Pro Tyr Val Thr Ser Tyr Lys Ser Pro
 170 175 180
 Val Thr Thr Leu Asp Lys Ser Thr Gly Ile Glu Ile Ser Thr Glu
 185 190 195
 Ser Glu Asp Val Pro Gln Leu Ser Gly Glu Thr Ala Ile Glu Lys
 200 205 210
 Pro Glu Ser Trp Lys His Gln Arg Val Gly Tyr Asp Ala Phe Glu
 215 220 225
 Lys Asn Leu Val Leu Ile Thr Met His Arg His Phe

<210> 12
 <211> 225
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1316219

<400> 12

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Thr | Pro | Glu | Gly | Val | Gly | Leu | Thr | Thr | Ala | Leu | Arg | Val | Leu |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Cys | Asn | Val | Ala | Cys | Pro | Pro | Pro | Pro | Val | Glu | Gly | Gln | Gln | Lys |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Asp | Leu | Lys | Trp | Asn | Leu | Ala | Val | Ile | Gln | Leu | Phe | Ser | Ala | Glu |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Gly | Met | Asp | Thr | Phe | Ile | Arg | Val | Leu | Gln | Lys | Leu | Asn | Ser | Ile |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Leu | Thr | Gln | Pro | Trp | Arg | Leu | His | Val | Asn | Met | Gly | Thr | Thr | Leu |
| | | | | 65 | | | | | 70 | | | | | 75 |
| His | Arg | Val | Thr | Thr | Ile | Ser | Met | Ala | Arg | Cys | Thr | Leu | Thr | Leu |
| | | | | 80 | | | | | 85 | | | | | 90 |
| Leu | Lys | Thr | Met | Leu | Thr | Glu | Leu | Leu | Arg | Gly | Gly | Ser | Phe | Glu |
| | | | | 95 | | | | | 100 | | | | | 105 |
| Phe | Lys | Asp | Met | Arg | Val | Pro | Ser | Ala | Leu | Val | Thr | Leu | His | Met |
| | | | | 110 | | | | | 115 | | | | | 120 |
| Leu | Leu | Cys | Ser | Ile | Pro | Leu | Ser | Gly | Arg | Leu | Asp | Ser | Asp | Glu |
| | | | | 125 | | | | | 130 | | | | | 135 |
| Gln | Lys | Ile | Gln | Asn | Asp | Ile | Ile | Asp | Ile | Leu | Leu | Thr | Phe | Thr |
| | | | | 140 | | | | | 145 | | | | | 150 |
| Gln | Gly | Val | Asn | Glu | Lys | Leu | Thr | Ile | Ser | Glu | Glu | Thr | Leu | Ala |
| | | | | 155 | | | | | 160 | | | | | 165 |
| Asn | Asn | Thr | Trp | Ser | Leu | Met | Leu | Lys | Glu | Val | Leu | Ser | Ser | Ile |
| | | | | 170 | | | | | 175 | | | | | 180 |
| Leu | Lys | Val | Pro | Glu | Gly | Phe | Phe | Ser | Gly | Leu | Ile | Leu | Leu | Ser |
| | | | | 185 | | | | | 190 | | | | | 195 |
| Glu | Leu | Leu | Pro | Leu | Pro | Leu | Pro | Met | Gln | Thr | Thr | Gln | Val | Ser |
| | | | | 200 | | | | | 205 | | | | | 210 |
| Leu | Pro | Tyr | Asn | Met | His | Leu | Ile | Asn | Asp | Cys | Ser | Asn | Thr | Phe |
| | | | | 215 | | | | | 220 | | | | | 225 |

<210> 13

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1329031

<400> 13

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Pro | Ser | Pro | Gly | Thr | Val | Cys | Ser | Leu | Leu | Leu | Leu | Gly | Met |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Leu | Thr | Leu | Leu | Leu | Ala | Leu | Ile | Gln | Ser | Ser | Phe | Leu | Ser | Pro |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Glu | His | Gln | Arg | Val | Gln | Gln | Arg | Lys | Glu | Ser | Lys | Lys | Pro | Pro |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Ala | Lys | Leu | Gln | Pro | Arg | Ala | Leu | Ala | Gly | Trp | Leu | Arg | Pro | Glu |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Asp | Gly | Gly | Gln | Ala | Glu | Gly | Ala | Glu | Asp | Glu | Leu | Glu | Val | Arg |
| | | | | 65 | | | | | 70 | | | | | 75 |
| Phe | Asn | Ala | Pro | Phe | Asp | Val | Gly | Ile | Lys | Leu | Ser | Gly | Val | Gln |
| | | | | 80 | | | | | 85 | | | | | 90 |
| Tyr | Gln | Gln | His | Ser | Gln | Ala | Leu | Gly | Lys | Phe | Leu | Gln | Asp | Ile |

| | | | |
|---|-----|-----|-----|
| | 95 | 100 | 105 |
| Leu Trp Glu Glu Ala Lys Glu Ala Pro Ala Asp Lys | | | |
| | 110 | 115 | |

<210> 14
 <211> 253
 <212> PRT
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<220>
 <221> misc_feature
 <223> Incyte Clone No: 1483050

<400> 14
 Met Asp Asn Arg Phe Ala Thr Ala Phe Val Ile Ala Cys Val Leu
 1 5 10 15
 Ser Leu Ile Ser Thr Ile Tyr Met Ala Ala Ser Ile Gly Thr Asp
 20 25 30
 Phe Trp Tyr Glu Tyr Arg Ser Pro Val Gln Glu Asn Ser Ser Asp
 35 40 45
 Leu Asn Lys Ser Ile Trp Asp Glu Phe Ile Ser Asp Glu Ala Asp
 50 55 60
 Glu Lys Thr Tyr Asn Asp Ala Leu Phe Arg Tyr Asn Gly Thr Val
 65 70 75
 Gly Leu Trp Arg Arg Cys Ile Thr Ile Pro Lys Asn Met His Trp
 80 85 90
 Tyr Ser Pro Pro Glu Arg Thr Glu Ser Phe Asp Val Val Thr Lys
 95 100 105
 Cys Val Ser Phe Thr Leu Thr Glu Gln Phe Met Glu Lys Phe Val
 110 115 120
 Asp Pro Gly Asn His Asn Ser Gly Ile Asp Leu Leu Arg Thr Tyr
 125 130 135
 Leu Trp Arg Cys Gln Phe Leu Leu Pro Phe Val Ser Leu Gly Leu
 140 145 150
 Met Cys Phe Gly Ala Leu Ile Gly Leu Cys Ala Cys Ile Cys Arg
 155 160 165
 Ser Leu Tyr Pro Thr Ile Ala Thr Gly Ile Leu His Leu Leu Ala
 170 175 180
 Gly Leu Cys Thr Leu Gly Ser Val Ser Cys Tyr Val Ala Gly Ile
 185 190 195
 Glu Leu Leu His Gln Lys Leu Glu Leu Pro Asp Asn Val Ser Gly
 200 205 210
 Glu Phe Gly Trp Ser Phe Cys Leu Ala Cys Val Ser Ala Pro Leu
 215 220 225
 Gln Phe Met Ala Ser Ala Leu Phe Ile Trp Ala Ala His Thr Asn
 230 235 240
 Arg Lys Glu Tyr Thr Leu Met Lys Ala Tyr Arg Val Ala
 245 250

<210> 15
 <211> 171

<212> PRT

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<223> Incyte Clone No: 1514160

<400> 15

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Met Ser Leu Pro Ile Pro Trp Leu Ser Leu Pro Pro Cys Pro Ile
  1              5              10              15
Leu Gly Gln Pro Ala Gly Leu Leu Leu Trp Leu Phe Arg Pro Phe
              20              25              30
Ser Gln Cys Cys Gln Cys Pro Trp Glu Gly Arg Ala Ser Leu Arg
              35              40              45
His Pro Asn Gly Pro Ser Gly Cys Arg Glu Ala Glu Ala Trp Pro
              50              55              60
Gln Arg Ser Leu Leu Arg Gln Gln Leu Gln Gln Ala His Pro Leu
              65              70              75
Pro Thr Leu Pro Thr Pro Glu Arg Leu Pro Glu Gln Met Leu Phe
              80              85              90
Pro Ser Ser Ser Ser Lys Pro Phe Ser Leu Leu Ser Leu Thr Ile
              95              100             105
Trp Ala Arg Leu Val Gly Arg Leu Thr Asn Arg Ile Cys Pro Val
              110             115             120
Pro Pro Gly Ser Val Ala Ser Ser Met Ser Leu Gln Ala Gly Arg
              125             130             135
Cys Gly Asn Pro Val Val Leu Pro Gln Pro Met Pro Pro Gly Leu
              140             145             150
Leu Cys Met Asn Glu Cys Ser Leu Val Pro Gly Leu Gly Arg Gly
              155             160             165
Gln Val Asn Ser Arg Val
              170

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<210> 16

<211> 78

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte Clone No: 1603403

<400> 16

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Met Gly Gln Gly Thr Pro Leu Met Ser Ile Thr Ser Thr Ile Gly
  1              5              10              15
Ser Ser His Gly Thr Gly Pro Gly Met Thr Leu Gln Leu Lys Leu
              20              25              30
Lys Glu Ser Phe Leu Thr Asn Ser Ser Tyr Glu Ser Ser Phe Ile
              35              40              45
Glu Leu Leu Glu Lys Leu Cys Leu Leu Leu His Leu Pro Ser Gly
              50              55              60
Thr Ser Val Thr Leu His His Ala Arg Ser Gln His His Val Val
              65              70              75
Cys Asn Thr

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<210> 17
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1652303

<400> 17
 Met Lys Leu Leu Ser Cys Leu Leu Phe Leu Lys Ala Pro Leu Tyr
 1 5 10 15
 Pro Thr Leu Cys Ser Lys Asp Pro Arg Ala Gly His Ser Leu Ile
 20 25 30
 Cys Gly Gln Ala Gly Gln Ile Pro Glu Ala Gln Leu Gly Phe Ser
 35 40 45
 Ser Asp Phe Lys Leu Cys Trp Cys Trp Asp Gln Gln Lys Ala Asn
 50 55 60
 Val Gln Pro Thr His Arg Thr Val Arg Gly Leu
 65 70

<210> 18
 <211> 188
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1693358

<400> 18
 Met Val Pro Gly Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu
 1 5 10 15
 Pro Ala Cys Val Ala Ala His Gly Phe Arg Ile His Asp Tyr Leu
 20 25 30
 Tyr Phe Gln Val Leu Ser Pro Gly Asp Ile Arg Tyr Ile Phe Thr
 35
 Ala Thr Pro Ala Lys Asp Phe Gly Gly Ile Phe His Thr Arg Tyr
 50 55 60
 Glu Gln Ile His Leu Val Pro Ala Glu Pro Pro Glu Ala Cys Gly
 65
 Glu Leu Ser Asn Gly Phe Phe Ile Gln Asp Gln Ile Ala Leu Val
 80 85 90
 Glu Arg Gly Gly Cys Ser Phe Leu Ser Lys Thr Arg Val Val Gln
 95 100 105
 Glu His Gly Gly Arg Ala Val Ile Ile Ser Asp Asn Ala Val Asp
 110 115 120
 Asp Phe Phe Ile Thr Val Gln Met Val Val Phe Ser Gly Gly Val
 125 130 135
 Thr Ala Asp Ile Pro Ala Leu Phe Leu Leu Gly Arg Asp Gly Tyr
 140 145 150

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ile | Arg | Arg | Ser | Leu | Glu | Gln | His | Gly | Leu | Pro | Trp | Ala | Ile |
| | | | | 155 | | | | | 160 | | | | | 165 |
| Ile | Ser | Ile | Pro | Val | Asn | Val | Thr | Ser | Ile | Pro | Thr | Phe | Glu | Leu |
| | | | | 170 | | | | | 175 | | | | | 180 |
| Leu | Gln | Pro | Pro | Trp | Thr | Phe | Trp | | | | | | | |
| | | | | 185 | | | | | | | | | | |

<210> 19

<211> 80

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte Clone No: 1707711

<400> 19

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Lys | Ala | Gln | Pro | Leu | Glu | Ala | Leu | Leu | Leu | Val | Ala | Leu | Val |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Leu | Ser | Phe | Cys | Gly | Val | Trp | Phe | Glu | Asp | Trp | Leu | Ser | Lys | Trp |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Arg | Phe | Gln | Cys | Ile | Phe | Gln | Leu | Ala | His | Gln | Pro | Ala | Leu | Val |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Asn | Ile | Gln | Phe | Arg | Gly | Thr | Val | Leu | Gly | Ser | Glu | Thr | Phe | Leu |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Gly | Ala | Glu | Glu | Asn | Ser | Ala | Asp | Val | Arg | Ser | Trp | Gln | Thr | Leu |
| | | | | 65 | | | | | 70 | | | | | 75 |
| Ser | Tyr | Phe | Glu | Leu | | | | | | | | | | |
| | | | | 80 | | | | | | | | | | |

<210> 20

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<223> Incyte Clone No: 1738735

<400> 20

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ile | Leu | Leu | Leu | Leu | Pro | Ala | Leu | Leu | Leu | Val | Ala | Leu | Val |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Glu | Ser | Leu | Leu | Leu | Ser | Pro | Cys | Pro | Gly | Thr | Ser | Ser | Thr | Leu |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Thr | Arg | Thr | Phe | Phe | Pro | Ser | Leu | Val | Ser | Cys | Val | Gln | Val | Pro |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Phe | Ser | Trp | Ile | Pro | Cys | Leu | Glu | Cys | Phe | Leu | Ile | Tyr | Phe | Leu |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Ile | Leu | Ala | Glu | Asp | Val | Leu | Gln | Leu | Phe | Ser | Gly | Asn | Ala | Asn |
| | | | | 65 | | | | | 70 | | | | | 75 |
| Met | Gln | Val | Asn | Gln | | | | | | | | | | |

80

<210> 21
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1749147

<400> 21
 Met Gln Arg Pro Phe Leu Ser Val Pro Cys Leu Leu Leu Leu Pro
 1 5 10 15
 Ala Arg Val Val Trp Gly Cys Trp Cys Phe Leu Pro Gly Glu Asp
 20 25 30
 Gly Gly Gly Cys Pro Thr Pro Ser Ser Gly Arg Ile Lys Leu Leu
 35 40 45
 Gln Gln Cys Leu Leu His Pro Ser Leu Arg Ser Ile Thr Val Ser
 50 55 60
 Arg Arg Ser Ala Gln Leu Leu Cys Arg Leu Lys Leu Gln Asn His
 65 70 75
 Ile Pro Lys Val Pro Gly Lys Asn Val
 80

<210> 22
 <211> 171
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1817722

<400> 22
 Met His Met Ile Leu Lys Val Leu Thr Thr Ala Leu Leu Leu Gln
 1 5 10 15
 Ala Ala Ser Ala Leu Ala Asn Tyr Ile His Phe Ser Ser Tyr Ser
 20 25 30
 Lys Asp Gly Ile Gly Val Pro Phe Met Gly Ser Leu Ala Glu Phe
 35 40 45
 Phe Asp Ile Ala Ser Gln Ile Gln Met Leu Tyr Leu Leu Leu Ser
 50 55 60
 Leu Cys Met Gly Trp Thr Ile Val Arg Met Lys Lys Ser Gln Ser
 65 70 75
 Arg Pro Leu Gln Trp Asp Ser Thr Pro Ala Ser Thr Gly Ile Ala
 80 85 90
 Val Leu Ile Met Thr Gln Ser Val Ile Ile Ile Gly Gln
 95 100 105
 Phe Glu Asp Ile Ser His His Ser Tyr His Ser His His Asn Leu
 110 115 120

| | | |
|-------------------------------------|---|-------------------------|
| Ala Gly Ile Leu | Leu Ile Val Leu Arg | Ile Cys Leu Ala Leu Ser |
| 125 | 130 | 135 |
| Leu Gly Cys Gly | Leu Tyr Gln Ile Ile Thr Val Glu Arg Ser Thr | |
| 140 | 145 | 150 |
| Leu Lys Arg Glu Phe Tyr Ile Thr Phe | Ala Lys Val Trp Val Trp | |
| 155 | 160 | 165 |
| Lys Glu Asn Gly Leu Phe | | |
| 170 | | |

<210> 23

<211> 243

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1831290

<400> 23

| | | |
|---|--|--|
| Met Ser Ser Gly Thr Glu Leu Leu Trp Pro Gly Ala Ala Leu Leu | | |
| 1 5 10 15 | | |
| Val Leu Leu Gly Val Ala Ala Ser Leu Cys Val Arg Cys Ser Arg | | |
| 20 25 30 | | |
| Pro Gly Ala Lys Arg Ser Glu Lys Ile Tyr Gln Gln Arg Ser Leu | | |
| 35 40 45 | | |
| Arg Glu Asp Gln Gln Ser Phe Thr Gly Ser Arg Thr Tyr Ser Leu | | |
| 50 55 60 | | |
| Val Gly Gln Ala Trp Pro Gly Pro Leu Ala Asp Met Ala Pro Thr | | |
| 65 70 75 | | |
| Arg Lys Asp Lys Leu Leu Gln Phe Tyr Pro Ser Leu Glu Asp Pro | | |
| 80 85 90 | | |
| Ala Ser Ser Arg Tyr Gln Asn Phe Ser Lys Gly Ser Arg His Gly | | |
| 95 100 105 | | |
| Ser Glu Glu Ala Tyr Ile Asp Pro Ile Ala Met Glu Tyr Tyr Asn | | |
| 110 115 120 | | |
| Trp Gly Arg Phe Ser Lys Pro Pro Glu Asp Asp Asp Ala Asn Ser | | |
| 125 130 135 | | |
| Tyr Glu Asn Val Leu Ile Cys Lys Gln Lys Thr Thr Glu Thr Gly | | |
| 140 145 150 | | |
| Leu Glu Gln Glu Gly Ile Gly Gly Ile Gly Arg Gly Val Ile Leu | | |
| 155 160 165 | | |
| Leu Ser Leu Ala Leu Lys Thr Gly Pro Thr Ser Gly Leu Cys Pro | | |
| 170 175 180 | | |
| Ser Phe Ser Thr Glu Glu Phe Gln Glu Leu Glu Phe Ser Gly | | |
| 185 190 195 | | |
| Ser Ala Ser Ile His Gln Trp Arg Glu Ser Arg Lys Val Met Gly | | |
| 200 205 210 | | |
| Gln Leu Gln Arg Glu Ala Ser Pro Gly Pro Val Gly Ser Pro Asp | | |
| 215 220 225 | | |
| Glu Glu Asp Gly Glu Pro Asp Tyr Val Asn Gly Glu Val Ala Ala | | |
| 230 235 | | |
| Thr Glu Ala | | |

<210> 24
 <211> 311
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1831477

<400> 24
 Met Gly Val Pro Thr Ala Pro Glu Ala Gly Ser Trp Arg Trp Gly
 1 5 10 15
 Ser Leu Leu Phe Ala Leu Phe Leu Ala Ala Ser Leu Gly Pro Val
 20 25 30
 Ala Ala Phe Lys Val Ala Thr Pro Tyr Ser Leu Tyr Val Cys Pro
 35 40 45
 Glu Gly Gln Asn Val Thr Leu Thr Cys Arg Leu Leu Gly Pro Val
 50 55 60
 Asp Lys Gly His Asp Val Thr Phe Tyr Lys Thr Trp Tyr Arg Ser
 65 70 75
 Ser Arg Gly Glu Val Gln Thr Cys Ser Glu Arg Arg Pro Ile Arg
 80 85 90
 Asn Leu Thr Phe Gln Asp Leu His Leu His His Gly Gly His Gln
 95 100 105
 Ala Ala Asn Thr Ser His Asp Leu Ala Gln Arg His Gly Leu Glu
 110 115 120
 Ser Ala Ser Asp His His Gly Asn Phe Ser Ile Thr Met Arg Asn
 125 130 135
 Leu Thr Leu Leu Asp Ser Gly Leu Tyr Cys Cys Leu Val Val Glu
 140 145 150
 Ile Arg His His His Ser Glu His Arg Val His Gly Ala Met Glu
 155 160 165
 Leu Gln Val Gln Thr Gly Lys Asp Ala Pro Ser Asn Cys Val Val
 170 175 180
 Tyr Pro Ser Ser Ser Gln Glu Ser Glu Asn Ile Thr Ala Ala Ala
 185 190 195
 Leu Ala Thr Gly Ala Cys Ile Val Gly Ile Leu Cys Leu Pro Leu
 200 205 210
 Ile Leu Leu Leu Val Tyr Lys Gln Arg Gln Ala Ala Ser Asn Arg
 215 220 225
 Arg Ala Gln Glu Leu Val Arg Met Asp Ser Asn Ile Gln Gly Ile
 230 235 240
 Glu Asn Pro Gly Phe Glu Ala Ser Pro Pro Ala Gln Gly Ile Pro
 245 250 255
 Glu Ala Lys Val Arg His Pro Leu Ser Tyr Val Ala Gln Arg Gln
 260 265 270
 Pro Ser Glu Ser Gly Arg His Leu Leu Ser Glu Pro Ser Thr Pro
 275 280 285
 Leu Ser Pro Pro Gly Pro Gly Asp Val Phe Phe Pro Ser Leu Asp
 290 295 300
 Pro Val Pro Asp Ser Pro Asn Phe Glu Val Ile
 305 310

<210> 25
 <211> 57
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1841607

<400> 25
 Met Ala Ser Ser Cys Phe Ser Leu Ser Phe Pro Pro Leu Ser Leu
 1 5 10 15
 Ala Gly Ser Leu Ala Leu Trp Gly His Cys Cys Val Arg Leu Gly
 20 25 30
 Cys Ser Phe Trp Ser Val Ser Ala Met Ala Gln Arg Leu Pro Ser
 35 40 45
 Gln Asn Thr Tyr Asn Pro Pro Leu Cys Trp Ala Trp
 50 55

<210> 26
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1852391

<400> 26
 Met Phe Ser Leu Phe Ser Cys Leu Leu Ala Cys Leu Leu Asp Leu
 1 5 10 15
 Leu Leu Ser Arg Val Ala Asp Glu Ala Phe Tyr Lys Gln Pro Phe
 20 25 30
 Ala Asp Val Ile Gly Tyr Val Tyr Val Ala Lys Leu Ile Pro Phe
 35 40 45
 Ser Thr Ser Asp Ser Phe Tyr Phe Cys Leu Glu Leu Met Leu Leu
 50 55 60
 Leu Cys His Gln Leu Leu Cys Phe Leu Asn Tyr Phe Lys Leu Ala
 65 70 75
 Leu Thr Ile Leu Leu Ala Leu Leu
 80

<210> 27
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1854555

<400> 27

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ala | Gly | Thr | Val | Leu | Gly | Val | Gly | Ala | Gly | Val | Phe | Ile | Leu |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Ala | Leu | Leu | Trp | Val | Ala | Val | Leu | Leu | Leu | Cys | Val | Leu | Leu | Ser |
| | | | 20 | | | | | | 25 | | | | | 30 |
| Arg | Ala | Ser | Gly | Ala | Ala | Arg | Phe | Ser | Val | Ile | Phe | Leu | Phe | Phe |
| | | | 35 | | | | | | 40 | | | | | 45 |
| Gly | Ala | Val | Ile | Ile | Thr | Ser | Val | Leu | Leu | Leu | Phe | Pro | Arg | Ala |
| | | | 50 | | | | | | 55 | | | | | 60 |
| Gly | Glu | Phe | Pro | Ala | Pro | Glu | Val | Glu | Val | Lys | Ile | Val | Asp | Asp |
| | | | 65 | | | | | | 70 | | | | | 75 |
| Phe | Phe | Ile | Gly | Arg | Tyr | Val | Leu | Leu | Ala | Phe | Leu | Ser | Ala | Ile |
| | | | 80 | | | | | | 85 | | | | | 90 |
| Phe | Leu | Gly | Gly | Leu | Phe | Leu | Val | Leu | Ile | His | Tyr | Val | Leu | Glu |
| | | | 95 | | | | | | 100 | | | | | 105 |
| Pro | Ile | Tyr | Ala | Lys | Pro | Leu | His | Ser | Tyr | | | | | |
| | | | 110 | | | | | | 115 | | | | | |

<210> 28

<211> 327

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1855755

<400> 28

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ala | Glu | Leu | Pro | Gly | Pro | Phe | Leu | Cys | Gly | Ala | Leu | Leu | Gly |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Phe | Leu | Cys | Leu | Ser | Gly | Leu | Ala | Val | Glu | Val | Lys | Val | Pro | Thr |
| | | | 20 | | | | | | 25 | | | | | 30 |
| Glu | Pro | Leu | Ser | Thr | Pro | Leu | Gly | Lys | Thr | Ala | Glu | Leu | Thr | Cys |
| | | | 35 | | | | | | 40 | | | | | 45 |
| Thr | Tyr | Ser | Thr | Ser | Val | Gly | Asp | Ser | Phe | Ala | Leu | Glu | Trp | Ser |
| | | | 50 | | | | | | 55 | | | | | 60 |
| Phe | Val | Gln | Pro | Gly | Lys | Pro | Ile | Ser | Glu | Ser | His | Pro | Ile | Leu |
| | | | 65 | | | | | | 70 | | | | | 75 |
| Tyr | Phe | Thr | Asn | Gly | His | Leu | Tyr | Pro | Thr | Gly | Ser | Lys | Ser | Lys |
| | | | | | | | | | | | | | | |
| Arg | Val | Ser | Leu | Leu | Gln | Asn | Pro | Pro | Thr | Val | Gly | Val | Ala | Thr |
| | | | 95 | | | | | | 100 | | | | | 105 |
| Leu | Lys | Leu | Thr | Asp | Val | His | Pro | Ser | Asp | Thr | Gly | Thr | Tyr | Leu |
| | | | 110 | | | | | | 115 | | | | | 120 |
| Cys | Gln | Val | Asn | Asn | Ile | Ile | Asp | Phe | Tyr | Thr | Ala | Gly | Leu | Gly |
| | | | 125 | | | | | | 130 | | | | | 135 |
| Leu | Ile | Asn | Leu | Thr | Val | Leu | Val | Pro | Pro | Ser | Asn | Pro | Leu | Cys |
| | | | 140 | | | | | | 145 | | | | | 150 |
| Ser | Gln | Ser | Gly | Gln | Thr | Ser | Val | Gly | Gly | Ser | Thr | Ala | Leu | Arg |
| | | | 155 | | | | | | 160 | | | | | 165 |
| Gly | Ser | Ser | Ser | Glu | Gly | Ala | Pro | Lys | Pro | Val | Thr | Asn | Trp | Val |
| | | | 170 | | | | | | 175 | | | | | 180 |
| Arg | Leu | Gly | Thr | Phe | Pro | Thr | Pro | Ser | Pro | Gly | Ser | Met | Val | Gln |
| | | | 185 | | | | | | 190 | | | | | 195 |

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Asp | Glu | Val | Ser | Gly | Gln | Leu | Ile | Leu | Thr | Asn | Leu | Ser | Leu | Thr |
| | | | | 200 | | | | | 205 | | | | | 210 |
| Ser | Ser | Gly | Thr | Tyr | Arg | Cys | Val | Ala | Thr | Asn | Gln | Met | Gly | Ser |
| | | | | 215 | | | | | 220 | | | | | 225 |
| Ala | Ser | Cys | Glu | Leu | Thr | Leu | Ser | Val | Thr | Glu | Pro | Ser | Gln | Gly |
| | | | | 230 | | | | | 235 | | | | | 240 |
| Arg | Val | Ala | Gly | Ala | Leu | Ile | Gly | Val | Leu | Leu | Gly | Val | Leu | Leu |
| | | | | 245 | | | | | 250 | | | | | 255 |
| Leu | Ser | Val | Ala | Ala | Phe | Cys | Leu | Val | Arg | Phe | Gln | Lys | Glu | Arg |
| | | | | 260 | | | | | 265 | | | | | 270 |
| Gly | Lys | Lys | Pro | Lys | Glu | Thr | Tyr | Gly | Gly | Ser | Asp | Leu | Arg | Glu |
| | | | | 275 | | | | | 280 | | | | | 285 |
| Asp | Ala | Ile | Ala | Pro | Gly | Ile | Ser | Glu | His | Thr | Cys | Met | Arg | Ala |
| | | | | 290 | | | | | 295 | | | | | 300 |
| Asp | Ser | Ser | Lys | Gly | Phe | Leu | Glu | Arg | Pro | Ser | Ser | Ala | Ser | Thr |
| | | | | 305 | | | | | 310 | | | | | 315 |
| Val | Thr | Thr | Thr | Lys | Ser | Lys | Leu | Pro | Met | Val | Val | | | |
| | | | | 320 | | | | | 325 | | | | | |

<210> 29

<211> 133

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1861434

<400> 29

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Arg | Met | Ser | Leu | Ala | Gln | Arg | Val | Leu | Leu | Thr | Trp | Leu | Phe |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Thr | Leu | Leu | Phe | Leu | Ile | Met | Leu | Val | Leu | Lys | Leu | Asp | Glu | Lys |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Ala | Pro | Trp | Asn | Trp | Phe | Leu | Ile | Phe | Ile | Pro | Val | Trp | Ile | Phe |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Asp | Thr | Ile | Leu | Leu | Val | Leu | Leu | Ile | Val | Lys | Met | Ala | Gly | Arg |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Cys | Lys | Ser | Gly | Phe | Asp | Pro | Arg | His | Gly | Ser | His | Asn | Ile | Lys |
| | | | | 65 | | | | | 70 | | | | | 75 |
| Lys | Lys | Ala | Trp | Trp | Leu | Ile | Val | Met | Leu | Lys | Ile | Val | Ala | Phe |
| | | | | 80 | | | | | 85 | | | | | 90 |
| Cys | Leu | Ala | Leu | Cys | Ala | Lys | Leu | Glu | Gln | Phe | Thr | Thr | Met | Asn |
| | | | | 95 | | | | | 100 | | | | | 105 |
| | | | | | | | | | | | | | | |
| | | | | 110 | | | | | 115 | | | | | 120 |
| Leu | Thr | Glu | Leu | Gly | Tyr | Asn | Val | Phe | Phe | Val | Arg | Asp | | |
| | | | | 125 | | | | | 130 | | | | | |

<210> 30

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1872334

<400> 30

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Met Gly Leu Thr Leu Leu Leu Leu Leu Leu Gly Leu Glu Gly
 1           5           10           15
Gln Gly Ile Val Gly Ser Leu Pro Glu Val Leu Gln Ala Pro Val
          20           25           30
Gly Ser Ser Ile Leu Val Gln Cys His Tyr Arg Leu Gln Asp Val
          35           40           45
Lys Ala Gln Lys Val Trp Cys Arg Phe Leu Pro Glu Gly Cys Gln
          50           55           60
Pro Leu Val Ser Ser Ala Val Asp Arg Arg Ala Pro Ala Gly Arg
          65           70           75
Arg Thr Phe Leu Thr Asp Leu Gly Gly Gly Leu Leu Gln Val Glu
          80           85           90
Met Val Thr Leu Gln Glu Glu Asp Ala Gly Glu Tyr Gly Cys Met
          95          100          105
Val Asp Gly Ala Arg Gly Pro Gln Ile Leu His Arg Val Ser Leu
          110          115          120
Asn Ile Leu Pro Pro Gly Glu Leu Ser
          125

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<210> 31

<211> 472

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1877230

<400> 31

```

Met Lys Phe Leu Ile Phe Ala Phe Phe Gly Gly Val His Leu Leu
 1           5           10           15
Ser Leu Cys Ser Gly Lys Ala Ile Cys Lys Asn Gly Ile Ser Lys
          20           25           30
Arg Thr Phe Glu Glu Ile Lys Glu Glu Ile Ala Ser Cys Gly Asp
          35           40           45
Val Ala Lys Ala Ile Ile Asn Leu Ala Val Tyr Gly Lys Ala Gln
          50           55           60
Asn Arg Ser Tyr Glu Arg Leu Ala Leu Leu Val Asp Thr Val Gly
          65           70           75
Pro Arg Leu Ser Gly Ser Lys Asn Leu Glu Lys Ala Ile Gln Ile
          80           85           90
Met Tyr Gln Asn Leu Gln Gln Asp Gly Leu Glu Lys Val His Leu
          95          100          105
Gln Val Thr Ser Phe His Tyr Glu Asp Gly Glu Glu Glu Ala
          110          115          120
Val Met Leu Glu Pro Arg Ile His Lys Ile Ala Ile Leu Gly Leu
          125          130          135

```

| | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Gly | Ser | Ser | Ile | | Gly | Thr | Pro | Pro | Glu | Gly | Ile | Thr | Ala | Glu | Val | |
| | | | | 140 | | | | | | 145 | | | | | 150 | |
| Leu | Val | Val | Thr | Ser | Phe | Asp | Glu | Leu | Gln | Arg | Arg | Ala | Ser | Glu | | |
| | | | | 155 | | | | | 160 | | | | | 165 | | |
| Ala | Arg | Gly | Lys | Ile | Val | Val | Tyr | Asn | Gln | Pro | Tyr | Ile | Asn | Tyr | | |
| | | | | 170 | | | | | 175 | | | | | 180 | | |
| Ser | Arg | Thr | Val | Gln | Tyr | Arg | Thr | Gln | Gly | Ala | Val | Glu | Ala | Ala | | |
| | | | | 185 | | | | | 190 | | | | | 195 | | |
| Lys | Val | Gly | Ala | Leu | Ala | Ser | Leu | Ile | Arg | Ser | Val | Ala | Ser | Phe | | |
| | | | | 200 | | | | | 205 | | | | | 210 | | |
| Ser | Ile | Tyr | Ser | Pro | His | Thr | Gly | Ile | Gln | Glu | Tyr | Gln | Asp | Gly | | |
| | | | | 215 | | | | | 220 | | | | | 225 | | |
| Val | Pro | Lys | Ile | Pro | Thr | Ala | Cys | Ile | Thr | Val | Glu | Asp | Ala | Glu | | |
| | | | | 230 | | | | | 235 | | | | | 240 | | |
| Met | Met | Ser | Arg | Met | Ala | Ser | His | Gly | Ile | Lys | Ile | Val | Ile | Gln | | |
| | | | | 245 | | | | | 250 | | | | | 255 | | |
| Leu | Lys | Met | Gly | Ala | Lys | Thr | Tyr | Pro | Asp | Thr | Asp | Ser | Phe | Asn | | |
| | | | | 260 | | | | | 265 | | | | | 270 | | |
| Thr | Val | Ala | Glu | Ile | Thr | Gly | Ser | Lys | Tyr | Pro | Glu | Gln | Val | Val | | |
| | | | | 275 | | | | | 280 | | | | | 285 | | |
| Leu | Val | Ser | Gly | His | Leu | Asp | Ser | Trp | Asp | Val | Gly | Gln | Gly | Ala | | |
| | | | | 290 | | | | | 295 | | | | | 300 | | |
| Met | Asp | Asp | Gly | Gly | Gly | Ala | Phe | Ile | Ser | Trp | Glu | Ala | Leu | Ser | | |
| | | | | 305 | | | | | 310 | | | | | 315 | | |
| Leu | Ile | Lys | Asp | Leu | Gly | Leu | Arg | Pro | Lys | Arg | Thr | Leu | Arg | Leu | | |
| | | | | 320 | | | | | 325 | | | | | 330 | | |
| Val | Leu | Trp | Thr | Ala | Glu | Glu | Gln | Gly | Gly | Val | Gly | Ala | Phe | Gln | | |
| | | | | 335 | | | | | 340 | | | | | 345 | | |
| Tyr | Tyr | Gln | Leu | His | Lys | Val | Asn | Ile | Ser | Asn | Tyr | Ser | Leu | Val | | |
| | | | | 350 | | | | | 355 | | | | | 360 | | |
| Met | Glu | Ser | Asp | Ala | Gly | Thr | Phe | Leu | Pro | Thr | Gly | Leu | Gln | Phe | | |
| | | | | 365 | | | | | 370 | | | | | 375 | | |
| Thr | Gly | Ser | Glu | Lys | Ala | Arg | Ala | Ile | Met | Glu | Glu | Val | Met | Ser | | |
| | | | | 380 | | | | | 385 | | | | | 390 | | |
| Leu | Leu | Gln | Pro | Leu | Asn | Ile | Thr | Gln | Val | Leu | Ser | His | Gly | Glu | | |
| | | | | 395 | | | | | 400 | | | | | 405 | | |
| Gly | Thr | Asp | Ile | Asn | Phe | Trp | Ile | Gln | Ala | Gly | Val | Pro | Gly | Ala | | |
| | | | | 410 | | | | | 415 | | | | | 420 | | |
| Ser | Leu | Leu | Asp | Asp | Leu | Tyr | Lys | Tyr | Phe | Phe | Phe | His | His | Ser | | |
| | | | | 425 | | | | | 430 | | | | | 435 | | |
| His | Gly | Asp | Thr | Met | Thr | Val | Met | Asp | Pro | Lys | Gln | Met | Asn | Val | | |
| | | | | 440 | | | | | 445 | | | | | 450 | | |
| Ala | Ala | Ala | Val | Trp | Ala | Val | Val | Ser | Tyr | Val | Val | Ala | Val | Val | | |
| | | | | | | | | | | | | | | | | |

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<210> 31
<211> 93
<212> PRT
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<220>
<221> misc feature
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<223> Incyte Clone No: 1877885

<400> 32

```

Met Ile His Leu Gly His Ile Leu Phe Leu Leu Leu Leu Pro Val
  1           5           10           15
Ala Ala Ala Gln Thr Thr Pro Gly Glu Arg Ser Ser Leu Pro Ala
          20           25           30
Phe Tyr Pro Gly Thr Ser Gly Ser Cys Ser Gly Cys Gly Ser Leu
          35           40           45
Ser Leu Pro Leu Leu Ala Gly Leu Val Ala Ala Asp Ala Val Ala
          50           55           60
Ser Leu Leu Ile Val Gly Ala Val Phe Leu Cys Ala Arg Pro Arg
          65           70           75
Arg Ser Pro Ala Gln Glu Asp Gly Lys Val Tyr Ile Asn Met Pro
          80           85           90
Gly Arg Gly

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<210> 33

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1889269

<400> 33

```

Met Asn Arg Pro Ser Ala Arg Asn Ala Leu Gly Asn Val Phe Val
  1           5           10           15
Ser Glu Leu Leu Glu Thr Leu Ala Gln Leu Arg Glu Asp Arg Gln
          20           25           30
Val Arg Val Leu Leu Phe Arg Ser Gly Val Lys Gly Val Phe Cys
          35           40           45
Ala Gly Ala Asp Leu Lys Glu Arg Glu Gln Met Ser Glu Ala Glu
          50           55           60
Val Gly Val Phe Val Gln Arg Leu Arg Gly Leu Met Asn Asp Ile
          65           70           75
Gly Glu Asp Leu Gly Val Gly Trp Arg Arg Gly Phe Gly Gly Pro
          80           85           90
Gly Arg

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<210> 34

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1890243

<400> 34

```

Met Trp Ile Lys Gly Thr Met Lys Met Arg Gly Gly Lys Thr Ser
 1          5          10          15
Arg Ser Ala Val Leu Pro Val Ala Gln Leu Thr Leu Ile Ala Ser
          20          25          30
Cys Phe Pro Asn Ser Gln Thr Val Leu Gly Thr Glu Gly Thr Leu
          35          40          45
Asp Val Glu Ser Ser Pro Leu Ala Leu Leu Thr Gly Leu Trp Ala
          50          55          60
Ser Pro Glu Ser Leu Ser Leu Tyr Leu Val Thr Leu Leu Cys Val
          65          70          75
Cys Pro Ala Leu Gln Ser Cys Gln Gly Gln Gln Ala Asp Val Thr
          80          85          90
Leu Ala Pro Cys Glu Ile Phe Ile Pro Gln Thr Leu Ala Cys Glu
          95          100          105
Pro Phe Pro Ser Gln Trp Arg Ala Leu Lys Gly Ala Ser Leu Glu
          110          115          120
Ser Ser Ser Val Leu Trp Val Ala Pro Cys Arg Trp Pro Leu Thr
          125          130          135
Leu Arg Cys Ser Arg Val His Leu
          140

```

<210> 35

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1900433

<400> 35

```

Met Glu Arg Val Thr Leu Ala Leu Leu Leu Leu Ala Gly Leu Thr
 1          5          10          15
Ala Leu Glu Ala Asn Asp Pro Phe Ala Asn Lys Asp Asp Pro Phe
          20          25          30
Tyr Tyr Asp Trp Lys Asn Leu Gln Leu Ser Gly Leu Ile Cys Gly
          35          40          45
Gly Leu Leu Ala Ile Ala Gly Ile Ala Ala Val Leu Ser Gly Lys
          50          55          60
Lys Ala Ile Pro Leu Ile Thr Pro Gly Ser Ala Thr Thr Cys
          65          70          75
          80          85

```

<210> 36

<211> 560

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1909441

<400> 36

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ala | Lys | Lys | Lys | Leu | Thr | Glu | Met | Ile | Pro | Leu | Cys | Asn | His |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Pro | Ala | Ser | Phe | Val | Lys | Leu | Phe | Val | Ala | Leu | Gly | Pro | Ile | Ala |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Gly | Pro | Glu | Glu | Lys | Lys | Gln | Leu | Lys | Ser | Thr | Met | Leu | Leu | Met |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Ser | Glu | Asp | Leu | Thr | Gly | Glu | Gln | Ala | Leu | Ala | Val | Leu | Gly | Ala |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Met | Gly | Asp | Met | Glu | Ser | Arg | Asn | Ser | Cys | Leu | Ile | Lys | Arg | Val |
| | | | | 65 | | | | | 70 | | | | | 75 |
| Thr | Ser | Val | Leu | His | Lys | His | Leu | Asp | Gly | Tyr | Lys | Pro | Leu | Glu |
| | | | | 80 | | | | | 85 | | | | | 90 |
| Leu | Leu | Lys | Ile | Thr | Gln | Glu | Leu | Thr | Phe | Leu | His | Phe | Gln | Arg |
| | | | | 95 | | | | | 100 | | | | | 105 |
| Lys | Glu | Phe | Phe | Ala | Lys | Leu | Arg | Glu | Leu | Leu | Leu | Ser | Tyr | Leu |
| | | | | 110 | | | | | 115 | | | | | 120 |
| Lys | Asn | Ser | Phe | Ile | Pro | Thr | Glu | Val | Ser | Val | Leu | Val | Arg | Ala |
| | | | | 125 | | | | | 130 | | | | | 135 |
| Ile | Ser | Leu | Leu | Pro | Ser | Pro | His | Leu | Asp | Glu | Val | Gly | Ile | Ser |
| | | | | 140 | | | | | 145 | | | | | 150 |
| Arg | Ile | Glu | Ala | Val | Leu | Pro | Gln | Cys | Asp | Leu | Asn | Asn | Leu | Ser |
| | | | | 155 | | | | | 160 | | | | | 165 |
| Ser | Phe | Ala | Thr | Ser | Val | Leu | Arg | Trp | Ile | Gln | His | Asp | His | Met |
| | | | | 170 | | | | | 175 | | | | | 180 |
| Tyr | Leu | Asp | Asn | Met | Thr | Ala | Lys | Gln | Leu | Lys | Leu | Leu | Gln | Lys |
| | | | | 185 | | | | | 190 | | | | | 195 |
| Leu | Asp | His | Tyr | Gly | Arg | Gln | Arg | Leu | Gln | His | Ser | Asn | Ser | Leu |
| | | | | 200 | | | | | 205 | | | | | 210 |
| Asp | Leu | Leu | Arg | Lys | Glu | Leu | Lys | Ser | Leu | Lys | Gly | Asn | Thr | Phe |
| | | | | 215 | | | | | 220 | | | | | 225 |
| Pro | Glu | Ser | Leu | Leu | Glu | Glu | Met | Ile | Ala | Thr | Leu | Gln | His | Phe |
| | | | | 230 | | | | | 235 | | | | | 240 |
| Met | Asp | Asp | Ile | Asn | Tyr | Ile | Asn | Val | Gly | Glu | Ile | Ala | Ser | Phe |
| | | | | 245 | | | | | 250 | | | | | 255 |
| Ile | Ser | Ser | Thr | Asp | Tyr | Leu | Ser | Thr | Leu | Leu | Leu | Asp | Arg | Ile |
| | | | | 260 | | | | | 265 | | | | | 270 |
| Ala | Ser | Val | Ala | Val | Gln | Gln | Ile | Glu | Lys | Ile | His | Pro | Phe | Thr |
| | | | | 275 | | | | | 280 | | | | | 285 |
| Ile | Pro | Ala | Ile | Ile | Arg | Pro | Phe | Ser | Val | Leu | Asn | Tyr | Asp | Pro |
| | | | | | | | | | | | | | | |
| Pro | Gln | Arg | Asp | Glu | Phe | Leu | Gly | Thr | Cys | Val | Gln | His | Leu | Asn |
| | | | | 305 | | | | | 310 | | | | | 315 |
| Ser | Tyr | Leu | Gly | Ile | Leu | Asp | Pro | Phe | Ile | Leu | Val | Phe | Leu | Gly |
| | | | | | | | | | | | | | | |
| Phe | Ser | Leu | Ala | Thr | Leu | Glu | Tyr | Phe | Pro | Glu | Asp | Leu | Leu | Lys |
| | | | | 335 | | | | | 340 | | | | | 345 |
| Ala | Ile | Phe | Asn | Ile | Lys | Phe | Leu | Ala | Arg | Leu | Asp | Ser | Gln | Leu |
| | | | | 350 | | | | | 355 | | | | | 360 |
| Glu | Ile | Leu | Ser | Pro | Ser | Arg | Ser | Ala | Arg | Val | Gln | Phe | His | Leu |
| | | | | 365 | | | | | 370 | | | | | 375 |
| Met | Glu | Leu | Ser | Pro | Ser | Arg | Ser | Ala | Gln | Glu | Ile | Gln | Thr | Gln |
| | | | | 380 | | | | | 385 | | | | | 390 |
| Ile | Pro | Trp | Phe | His | Asp | Arg | Phe | Cys | Gln | Gln | Tyr | Asn | Lys | Gly |
| | | | | 395 | | | | | 400 | | | | | 405 |

| | | | |
|-----------------|-------------------------|-----------------|---------|
| Ile Gly Gly Met | Asp Gly Thr Gln Gln Gln | Ile Phe Lys Met | Leu |
| 410 | | 415 | 420 |
| Ala Glu Val Leu | Gly Gly Ile Asn Cys Val | Lys Ala Ser Val | Leu |
| 425 | | 430 | 435 |
| Thr Pro Tyr Tyr | His Lys Val Asp Phe | Glu Cys Ile Leu | Asp Lys |
| 440 | | 445 | 450 |
| Arg Lys Lys Pro | Leu Pro Tyr Gly Ser | His Asn Ile Ala | Leu Gly |
| 455 | | 460 | 465 |
| Gln Leu Pro Glu | Met Pro Trp Glu Ser | Asn Ile Glu Ile | Val Gly |
| 470 | | 475 | 480 |
| Ser Arg Leu Pro | Pro Gly Ala Glu Arg | Ile Ala Leu Glu | Phe Leu |
| 485 | | 490 | 495 |
| Asp Ser Lys Ala | Leu Cys Arg Asn Ile | Pro His Met Lys | Gly Lys |
| 500 | | 505 | 510 |
| Ser Ala Met Lys | Lys Arg His Leu Glu | Ile Leu Gly Tyr | Arg Val |
| 515 | | 520 | 525 |
| Ile Gln Ile Ser | Gln Phe Glu Trp Asn | Ser Met Ala Leu | Ser Thr |
| 530 | | 535 | 540 |
| Lys Asp Ala Arg | Met Asp Tyr Leu Arg | Glu Cys Ile Phe | Gly Glu |
| 545 | | 550 | 555 |
| Val Lys Ser Cys | Leu | | |
| 560 | | | |

<210> 37

<211> 197

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1932226

<400> 37

| | | | |
|-----------------|-----------------|-----------------|-----------------|
| Met Gly Val Pro | Leu Gly Leu Gly | Ala Ala Trp Leu | Leu Ala Trp |
| 1 | 5 | 10 | 15 |
| Pro Gly Leu Ala | Leu Pro Leu Val | Ala Met Ala | Ala Gly Gly Arg |
| 20 | | 25 | 30 |
| Trp Val Arg Gln | Gln Gly Pro Arg | Val Arg Arg | Gly Ile Ser Arg |
| 35 | | 40 | 45 |
| Leu Trp Leu Arg | Val Leu Leu Arg | Leu Ser Ile Met | Ala Ile Arg |
| 50 | | 55 | 60 |
| Ala Leu Gln Gly | Cys Gly Ala Val | Gly Asp Arg | Gly Leu Phe Ala |
| 65 | | 70 | 75 |
| Trp Val Leu Arg | Val Leu Leu Arg | Leu Ser Ile Met | Ala Ile Arg |
| 80 | | 85 | 90 |
| Val Pro Gly Pro | Arg Arg Arg Asn | Pro Arg Thr | Thr Gln His Pro |
| 95 | | 100 | 105 |
| Leu Ala Leu Leu | Ala Arg Val Trp | Val Leu Cys | Lys Gly Trp Asn |
| 110 | | 115 | 120 |
| Trp Arg Leu Ala | Arg Ala Ser Gln | Gly Leu Ala | Ser His Leu Pro |
| 125 | | 130 | |
| Pro Trp Ala Ile | His Thr Leu Ala | Ser Trp Gly | Leu Leu Arg Gly |
| 140 | | 145 | 150 |
| Glu Arg Pro Thr | Arg Ile Pro Arg | Leu Leu Pro | Arg Ser Gln Arg |

| | | | |
|-----------------|---------------------|---------------------|-----|
| | 155 | 160 | 165 |
| Gln Leu Gly Pro | Pro Ala Ser Arg Gln | Pro Leu Pro Gly Thr | Leu |
| | 170 | 175 | 180 |
| Ala Gly Arg Arg | Ser Arg Thr Arg Gln | Ser Arg Ala Leu Pro | Pro |
| | 185 | 190 | 195 |
| Trp Arg | | | |

<210> 38
 <211> 437
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1932647

<400> 38
 Met Ser Ala Val Leu Leu Leu Ala Leu Leu Gly Phe Ile Leu Pro
 1 5 10 15
 Leu Pro Gly Val Gln Ala Leu Leu Cys Gln Phe Gly Thr Val Gln
 20 25 30
 His Val Trp Lys Val Ser Asp Leu Pro Arg Gln Trp Thr Pro Lys
 35 40 45
 Asn Thr Ser Cys Asp Ser Gly Leu Gly Cys Gln Asp Thr Leu Met
 50 55 60
 Leu Ile Glu Ser Gly Pro Gln Val Ser Leu Val Leu Ser Lys Gly
 65 70 75
 Cys Thr Glu Ala Lys Asp Gln Glu Pro Arg Val Thr Glu His Arg
 80 85 90
 Met Gly Pro Gly Leu Ser Leu Ile Ser Tyr Thr Phe Val Cys Arg
 95 100 105
 Gln Glu Asp Phe Cys Asn Asn Leu Val Asn Ser Leu Pro Leu Trp
 110 115 120
 Ala Pro Gln Pro Pro Ala Asp Pro Gly Ser Leu Arg Cys Pro Val
 125 130 135
 Cys Leu Ser Met Glu Gly Cys Leu Glu Gly Thr Thr Glu Glu Ile
 140 145 150
 Cys Pro Lys Gly Thr Thr His Cys Tyr Asp Gly Leu Leu Arg Leu
 155 160 165
 Pro Gln Pro Gly Cys Asn Leu Leu Asn Gly Thr Gln Glu Ile Gly
 170 175 180
 Cys His Arg Gly Thr Thr Ile Met Thr His Gly Asn Leu Ala Gln
 185 190 195
 Glu Pro Thr Asp Trp Thr Thr Ser Asn Thr Glu Met Cys Glu Val
 200 205 210
 Gly Gln Val Cys Gln Glu Thr Leu Leu Cys Ile Asp Val Gly Leu
 215 220 225
 Thr Ser Thr Leu Val Gly Thr Lys Gly Cys Ser Thr Val Gly Ala
 230 235 240
 Gln Asn Ser Gln Lys Thr Thr Ile His Ser Ala Pro Pro Gly Val
 245 250 255
 260 265 270

| | | | |
|---|-----|-----|-----|
| | 275 | 280 | 285 |
| Leu Val Ala Ser Tyr Thr His Phe Cys Ser Ser Asp Leu Cys Asn | | | |
| | 290 | 295 | 300 |
| Ser Ala Ser Ser Ser Ser Val Leu Leu Asn Ser Leu Pro Pro Gln | | | |
| | 305 | 310 | 315 |
| Ala Ala Pro Val Pro Gly Asp Arg Gln Cys Pro Thr Cys Val Gln | | | |
| | 320 | 325 | 330 |
| Pro Leu Gly Thr Cys Ser Ser Gly Ser Pro Arg Met Thr Cys Pro | | | |
| | 335 | 340 | 345 |
| Arg Gly Ala Thr His Cys Tyr Asp Gly Tyr Ile His Leu Ser Gly | | | |
| | 350 | 355 | 360 |
| Gly Gly Leu Ser Thr Lys Met Ser Ile Gln Gly Cys Val Ala Gln | | | |
| | 365 | 370 | 375 |
| Pro Ser Ser Phe Leu Leu Asn His Thr Arg Gln Ile Gly Ile Phe | | | |
| | 380 | 385 | 390 |
| Ser Ala Arg Glu Lys Arg Asp Val Gln Pro Pro Ala Ser Gln His | | | |
| | 395 | 400 | 405 |
| Glu Gly Gly Gly Ala Glu Gly Leu Glu Ser Leu Thr Trp Gly Val | | | |
| | 410 | 415 | 420 |
| Gly Leu Ala Leu Ala Pro Ala Leu Trp Trp Gly Val Val Cys Pro | | | |
| | 425 | 430 | 435 |
| Ser Cys | | | |

<210> 39
 <211> 330
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2124245

<400> 39
 Met Glu Gly Ala Pro Pro Gly Ser Leu Ala Leu Arg Leu Leu Leu
 1 5 10 15
 Phe Val Ala Leu Pro Ala Ser Gly Trp Leu Thr Thr Gly Ala Pro
 20 25 30
 Glu Pro Pro Pro Leu Ser Gly Ala Pro Gln Asp Gly Ile Arg Ile
 35 40 45
 Asn Val Thr Thr Leu Lys Asp Trp Gly Asp Ile Ser Lys Gln Gln
 50 55 60
 Val Val Leu Asn Ile Thr Tyr Glu Ser Gly Gln Val Tyr Val Asn
 65 70 75
 Leu Val Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr
 80 85 90
 Leu Ile Val Lys Asn Glu Asn Leu Glu Asn Leu Glu Glu Lys Glu
 95 100 105
 Tyr Phe Gly Ile Val Ser Val Arg Ile Leu Val His Gln Trp Pro
 110 115 120
 Met Thr Ser Gly Ser Ser Leu Gln Leu Ile Val Ile Gln Glu Glu
 125 130 135
 Val Val Glu Ile Asp Gly Lys Gln Val Gln Gln Lys Asp Val Thr
 140 145 150
 Glu Ile Asp Ile Leu Val Lys Asn Arg Gly Val Leu Arg His Ser

| | | | |
|-----------------|---------------------|---------------------|-----|
| | 155 | 160 | 165 |
| Asn Tyr Thr Leu | Pro Leu Glu Glu Ser | Met Leu Tyr Ser Ile | Ser |
| | 170 | 175 | 180 |
| Arg Asp Ser Asp | Ile Leu Phe Thr Leu | Pro Asn Leu Ser Lys | Lys |
| | 185 | 190 | 195 |
| Glu Ser Val Ser | Ser Leu Gln Thr Thr | Ser Gln Tyr Leu Ile | Arg |
| | 200 | 205 | 210 |
| Asn Val Glu Thr | Thr Val Asp Glu Asp | Val Leu Pro Gly Lys | Leu |
| | 215 | 220 | 225 |
| Pro Glu Thr Pro | Leu Arg Ala Glu Pro | Pro Ser Ser Tyr Lys | Val |
| | 230 | 235 | 240 |
| Met Cys Gln Trp | Met Glu Lys Phe Arg | Lys Asp Leu Cys Arg | Phe |
| | 245 | 250 | 255 |
| Trp Ser Asn Val | Phe Pro Val Phe Phe | Gln Phe Leu Asn Ile | Met |
| | 260 | 265 | 270 |
| Val Val Gly Ile | Thr Gly Ala Ala Val | Val Ile Thr Ile Leu | Lys |
| | 275 | 280 | 285 |
| Val Phe Phe Pro | Val Ser Glu Tyr Lys | Gly Ile Leu Gln Leu | Asp |
| | 290 | 295 | 300 |
| Lys Val Asp Val | Ile Pro Val Thr Ala | Ile Asn Leu Tyr Pro | Asp |
| | 305 | 310 | 315 |
| Gly Pro Glu Lys | Arg Ala Glu Asn Leu | Glu Asp Lys Thr Cys | Ile |
| | 320 | 325 | 330 |

<210> 40
 <211> 148
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2132626

<400> 40
 Met Glu Thr Gly Ala Leu Arg Arg Pro Gln Leu Leu Pro Leu Leu
 1 5 10 15
 Leu Leu Leu Cys Gly Gly Cys Pro Arg Ala Gly Gly Cys Asn Glu
 20 25 30
 Thr Gly Met Leu Glu Arg Leu Pro Leu Cys Gly Lys Ala Phe Ala
 35 40
 Asp Met Met Gly Lys Val Asp Val Trp Lys Trp Cys Asn Leu Ser
 50 55 60
 Glu Phe Ile Val Tyr Tyr Glu Ser Phe Thr Asn Cys Thr Glu Met
 65 70
 Glu Ala Asn Val Val Gly Cys Tyr Trp Pro Asn Pro Leu Ala Gln
 80 85 90
 Gly Phe Ile Thr Gly Ile His Arg Gln Phe Phe Ser Asn Cys Thr
 95 100 105
 Val Asp Arg Val His Leu Glu Asp Pro Pro Asp Glu Val Leu Ile
 110 115 120
 Pro Leu Ile Val Ile Pro Val Val Ile Thr Val Val Met Val Gly
 125 130 135
 Leu Val Val Trp Arg Ser Lys Arg Thr Asp Thr Leu Leu
 140 145

<210> 41
 <211> 188
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2280639

<400> 41
 Met Ala Pro Pro Pro Pro Ser Pro Gln Leu Leu Leu Leu Ala Ala
 1 5 10 15
 Leu Ala Arg Leu Leu Gly Pro Ser Glu Val Met Ala Gly Pro Ala
 20 25 30
 Glu Glu Ala Gly Ala His Cys Pro Glu Ser Leu Trp Pro Leu Pro
 35 40 45
 Pro Gln Val Ser Pro Arg Val Thr Tyr Thr Arg Val Ser Pro Gly
 50 55 60
 Gln Ala Glu Asp Val Thr Phe Leu Tyr His Pro Cys Ala His Pro
 65 70 75
 Trp Leu Lys Leu Gln Leu Ala Leu Leu Ala Tyr Ala Cys Met Ala
 80 85 90
 Asn Pro Ser Leu Thr Pro Asp Phe Ser Leu Thr Gln Asp Arg Pro
 95 100 105
 Leu Val Leu Thr Ala Trp Gly Leu Ala Leu Glu Met Ala Trp Val
 110 115 120
 Glu Pro Ala Trp Ala Ala His Trp Leu Met Arg Arg Arg Arg Arg
 125 130 135
 Lys Gln Arg Lys Lys Lys Ala Trp Ile Tyr Cys Glu Ser Leu Ser
 140 145 150
 Gly Pro Ala Pro Ser Glu Pro Thr Pro Gly Arg Gly Arg Leu Cys
 155 160 165
 Arg Arg Gly Cys Val Gln Ala Leu Ala Leu Ala Phe Ala Leu Arg
 170 175 180
 Thr Gly Gly Pro Leu Ala Gln Arg
 185

<210> 42
 <211> 222
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2292356

<400> 42
 Met Ala Pro Pro Pro Pro Ser Pro Gln Leu Leu Leu Leu Ala Ala
 1 5 10 15
 Leu Gly Ala Pro Val Ala Ala Phe Ser Pro Glu Pro Gly Leu Glu
 20 25 30


```

Pro Trp Lys Glu Ala Leu Val Arg Pro Pro Gly Ser Tyr Ser Ser
      35                      40                      45
Ser Ser Asn Ser Gly Asp Trp Gly Trp Asp Leu Ala Ser Asp Gln
      50                      55                      60
Ser Ser Pro Ser Thr Pro Ser Pro Pro Leu Pro Pro Glu Ala Ala
      65                      70                      75
His Phe Leu Phe Gly Glu Pro Thr Leu Arg Lys Arg Lys Ser Pro
      80                      85                      90
Ala Gln Val Met Phe Gln Cys Leu Trp Lys Ser Cys Gly Lys Val
      95                      100                     105
Leu Ser Thr Ala Ser Ala Met Gln Arg His Ile Arg Leu Val His
     110                      115                     120
Leu Gly Cys Gly Gly Ala Trp Gly Ala Ala Gly Pro Ala Gly Trp
     125                      130                     135
Leu Gly Leu Leu Gly Pro Ala Arg Pro Pro Leu Gln Leu Pro Leu
     140                      145                     150
Ala Gly Cys Val Ser Arg Arg Arg Gln Ala Glu Pro Glu Gln Ser
     155                      160                     165
Asp Gly Glu Glu Asp Phe Tyr Tyr Thr Glu Leu Asp Val Gly Val
     170                      175                     180
Asp Thr Leu Thr Asp Gly Leu Ser Ser Leu Thr Pro Val Phe Pro
     185                      190                     195
Glu Gly Phe His Ala Ser Leu Pro Ser Pro Ala Leu Lys Leu Arg
     200                      205                     210
Arg Leu Gly Gly Thr Arg Gln Pro Arg Gln Tyr Pro
     215                      220

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<210> 43

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2349310

<400> 43

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Met Gly Pro Ser Ser Cys Leu Leu Leu Ile Leu Ile Pro Leu Leu
  1                      5                      10                      15
Gln Asp Ile Ala Ile Lys Ser Thr Thr Asp Ser Lys Val Thr Val
      20                      25                      30
Met Asp Lys Lys Ile Lys Asp Val Leu Asn Ser Leu Glu Tyr Ser
      35                      40                      45
Ser Ser Thr Ser Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr
      50                      55                      60
Gln Gly Arg Pro Ser Ser Cys Pro Ala Gly Met Ala Val Thr Gly
      65                      70                      75
Cys Ala Cys Gly Tyr Gly Cys Gly Ser Trp Asp Val Gln Leu Glu
      80                      85                      90
Thr Thr Cys His Cys Gln Cys Ser Val Val Asp Trp Thr Thr Ala
      95                      100                     105
Arg Cys Cys His Leu Thr
     110

```

<210> 44
 <211> 341
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2373227

<400> 44

| | | |
|---|-----|---------|
| Met Val Pro Ala Ala Gly Ala Leu Leu Trp Val Leu Leu Leu Asn | | |
| 1 | 5 | 10 15 |
| Leu Gly Pro Arg Ala Ala Gly Ala Gln Gly Leu Thr Gln Thr Pro | | |
| | 20 | 25 30 |
| Thr Glu Met Gln Arg Val Ser Leu Arg Phe Gly Gly Pro Met Thr | | |
| | 35 | 40 45 |
| Arg Ser Tyr Arg Ser Thr Ala Arg Thr Gly Leu Pro Arg Lys Thr | | |
| | 50 | 55 60 |
| Arg Ile Ile Leu Glu Asp Glu Asn Asp Ala Met Ala Asp Ala Asp | | |
| | 65 | 70 75 |
| Arg Leu Ala Gly Pro Ala Ala Ala Glu Leu Leu Ala Ala Thr Val | | |
| | 80 | 85 90 |
| Ser Thr Gly Phe Ser Arg Ser Ser Ala Ile Asn Glu Glu Asp Gly | | |
| | 95 | 100 105 |
| Ser Ser Glu Glu Gly Val Val Ile Asn Ala Gly Lys Asp Ser Thr | | |
| | 110 | 115 120 |
| Ser Arg Glu Leu Pro Ser Ala Thr Pro Asn Thr Ala Gly Ser Ser | | |
| | 125 | 130 135 |
| Ser Thr Arg Phe Ile Ala Asn Ser Gln Glu Pro Glu Ile Arg Leu | | |
| | 140 | 145 150 |
| Thr Ser Ser Leu Pro Arg Ser Pro Gly Arg Ser Thr Glu Asp Leu | | |
| | 155 | 160 165 |
| Pro Gly Ser Gln Ala Thr Leu Ser Gln Trp Ser Thr Pro Gly Ser | | |
| | 170 | 175 180 |
| Thr Pro Ser Arg Trp Pro Ser Pro Ser Pro Thr Ala Met Pro Ser | | |
| | 185 | 190 195 |
| Pro Glu Asp Leu Arg Leu Val Leu Met Pro Trp Gly Pro Trp His | | |
| | 200 | 205 210 |
| Cys His Cys Lys Ser Gly Thr Met Ser Arg Ser Arg Ser Gly Lys | | |
| | 215 | 220 225 |
| Leu Thr Gly Ser Val Thr Arg Ser Thr Thr Thr Ser Thr Thr Thr | | |
| | 230 | 235 240 |
| Leu Arg Thr Glu His Lys Pro Cys Thr Tyr Gln Gln Cys Pro Cys | | |
| | 245 | 250 255 |
| Asp Thr Asn Cys Ala Ser Gln Ser Thr Thr Ser Thr Arg Thr Thr | | |
| | 260 | 265 270 |
| | 275 | 280 285 |
| Thr Thr Pro Phe Pro Thr Ile His Leu Arg Ser Ser Pro Ser Leu | | |
| | 290 | 295 300 |
| Pro Pro Ala Ser Pro Cys Pro Ala Leu Ala Phe Trp Lys Arg Val | | |
| | 305 | 310 315 |
| Arg Ile Gly Leu Glu Asp Ile Trp Asn Ser Leu Ser Ser Val Phe | | |
| | 320 | 325 330 |
| Thr Glu Met Gln Pro Ile Asp Arg Asn Gln Arg | | |

335

340

<210> 45
 <211> 148
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2457682

<400> 45
 Met Ala Gly Leu Ala Ala Arg Leu Val Leu Leu Ala Gly Ala Ala
 1 5 10 15
 Ala Leu Ala Ser Gly Ser Gln Gly Asp Arg Glu Pro Val Tyr Arg
 20 25 30
 Asp Cys Val Leu Gln Cys Glu Glu Gln Asn Cys Ser Gly Gly Ala
 35 40 45
 Leu Asn His Phe Arg Ser Arg Gln Pro Ile Tyr Met Ser Leu Ala
 50 55 60
 Gly Trp Thr Cys Arg Asp Asp Cys Lys Tyr Glu Cys Met Trp Val
 65 70 75
 Thr Val Gly Leu Tyr Leu Gln Glu Gly His Lys Val Pro Gln Phe
 80 85 90
 His Gly Lys Trp Pro Phe Ser Arg Phe Leu Phe Phe Gln Glu Pro
 95 100 105
 Ala Ser Ala Val Ala Ser Phe Leu Asn Gly Leu Ala Ser Leu Val
 110 115 120
 Met Leu Cys Arg Tyr Arg Thr Phe Val Pro Ala Ser Ser Pro Met
 125 130 135
 Tyr His Thr Cys Val Ala Phe Ala Trp Leu Ser Gly Arg
 140 145

<210> 46
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2457682

<400> 46
 Met Arg Pro Leu Leu Val Leu Leu Leu Leu Gly Leu Ala Ala Gly
 1 5 10 15
 Ser Pro Pro Leu Asp Asp Asn Lys Ile Pro Ser Leu Cys Pro Gly
 20 25 30
 Leu Ala Gly Pro Phe Gly Asp Phe Gly Pro Phe Gly Ala Gly Gly
 35 40 45
 Pro Ala Gly Pro Thr Gly Leu Ala Gly Glu Cys Ser Val Pro Pro
 50 55 60

Arg Ser Ala Phe Ser Ala Lys Arg Ser Glu Ile Arg Val Pro Pro
 65 70 75
 Leu Ser Asp Ala Pro Leu Pro Ser Thr Ala Cys Trp
 80 85

<210> 47
 <211> 383
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2503743

<400> 47
 Met Ala Gly Ile Pro Gly Leu Leu Phe Leu Leu Phe Phe Leu Leu
 1 5 10 15
 Cys Ala Val Gly Gln Val Ser Pro Tyr Ser Ala Pro Trp Lys Pro
 20 25 30
 Thr Trp Pro Ala Tyr Arg Leu Pro Val Val Leu Pro Gln Ser Thr
 35 40 45
 Leu Asn Leu Ala Lys Pro Asp Phe Gly Ala Glu Ala Lys Leu Glu
 50 55 60
 Val Ser Ser Ser Cys Gly Pro Gln Cys His Lys Gly Thr Pro Leu
 65 70 75
 Pro Thr Tyr Glu Glu Ala Lys Gln Tyr Leu Ser Tyr Glu Thr Leu
 80 85 90
 Tyr Ala Asn Gly Ser Arg Thr Glu Thr Gln Val Gly Ile Tyr Ile
 95 100 105
 Leu Ser Ser Ser Gly Asp Gly Ala Gln His Arg Asp Ser Gly Ser
 110 115 120
 Ser Gly Lys Ser Arg Arg Lys Arg Gln Ile Tyr Gly Tyr Asp Ser
 125 130 135
 Arg Phe Ser Ile Phe Gly Lys Asp Phe Leu Leu Asn Tyr Pro Phe
 140 145 150
 Ser Thr Ser Val Lys Leu Ser Thr Gly Cys Thr Gly Thr Leu Val
 155 160 165
 Ala Glu Lys His Val Leu Thr Ala Ala His Cys Ile His Asp Gly
 170 175 180
 Lys Thr Tyr Val Val Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr
 185 190 195
 Lys Pro Lys Phe Lys Asp Gly Gly Arg Gly Ala Asn Asp Ser Thr
 200 205 210
 Arg Thr His Val Pro Lys Gly Trp Ile Lys Gly Asn Ala Asn Asp
 215 220 225
 230 235 240
 Ile Gly Met Asn Tyr Asp Tyr Ala Leu Leu Glu Leu Lys Lys Pro
 245 250 255
 His Lys Arg Lys Phe Met Lys Ile Gly Val Ser Pro Pro Ala Lys
 260 265 270
 Gln Leu Pro Gly Gly Arg Ile His Phe Ser Gly Tyr Asp Asn Asp
 275 280 285
 Arg Pro Gly Asn Leu Val Tyr Arg Phe Cys Asp Val Lys Asp Glu

| | | |
|-------------------------------------|-------------------------|-----|
| 290 | 295 | 300 |
| Thr Tyr Asp Leu Leu Tyr Gln Gln Cys | Asp Ala Gln Pro Gly Ala | |
| 305 | 310 | 315 |
| Ser Gly Ser Gly Val Tyr Val Arg Met | Trp Lys Arg Gln Gln Gln | |
| 320 | 325 | 330 |
| Lys Trp Glu Arg Lys Ile Ile Gly Ile | Phe Ser Gly His Gln Trp | |
| 335 | 340 | 345 |
| Val Asp Met Asn Gly Ser Pro Gln Asp | Phe Asn Val Ala Val Arg | |
| 350 | 355 | 360 |
| Ile Thr Pro Leu Lys Tyr Ala Gln Ile | Cys Tyr Trp Ile Lys Gly | |
| 365 | 370 | 375 |
| Asn Tyr Leu Asp Cys Arg Glu Gly | | |
| 380 | | |

<210> 48
 <211> 109
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2537684

<400> 48
 Met Leu Leu Pro Ala Leu Cys Ala Trp Leu Leu Trp Val Pro Trp
 1 5 10 15
 Cys Leu Leu Val Ala Gly Ser Gly Arg Ser Gly Gly Glu Leu Cys
 20 25 30
 Cys Ser Ser Tyr Gly Val Ser Val Ile Ser Val Trp Ser Lys Cys
 35 40 45
 Ser Val Cys Arg Cys Leu Met Gly Ser Val Pro Arg Ile Phe Phe
 50 55 60
 Ala Phe Tyr Pro Ile Ala Trp Leu Pro Leu Pro Gly Ser Gln Gly
 65 70 75
 Cys Trp Ser Arg Ser Trp Glu Trp Pro Leu Val Glu Pro Ala Ser
 80 85 90
 Cys Leu Val Cys Leu Cys Phe Thr Phe Gly Val Leu Ser Gly Val
 95 100 105
 Val Ala Val Lys

<211> 185
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2593853

<400> 49
 Met Lys Phe Thr Ile Val Phe Ala Gly Leu Leu Gly Val Phe Leu

| | | | |
|-----------------|-------------------------|---------------------|---------|
| 1 | 5 | 10 | 15 |
| Ala Pro Ala Leu | Ala Asn Tyr Asn Ile | Asn Val Asn Asp Asp | Asn |
| | 20 | 25 | 30 |
| Asn Asn Ala Gly | Ser Gly Gln Gln Ser | Val Ser Val Asn Asn | Glu |
| | 35 | 40 | 45 |
| His Asn Val Ala | Asn Val Asp Asn Asn Asn | Gly Trp Asp Ser | Trp |
| | 50 | 55 | 60 |
| Asn Ser Ile Trp | Asp Tyr Gly Asn Gly Phe | Ala Ala Thr Arg | Leu |
| | 65 | 70 | 75 |
| Phe Gln Lys Lys | Thr Cys Ile Val His | Lys Met Asn Lys | Glu Val |
| | 80 | 85 | 90 |
| Met Pro Ser Ile | Gln Ser Leu Asp Ala | Leu Val Lys Glu | Lys Lys |
| | 95 | 100 | 105 |
| Leu Gln Gly Lys | Gly Pro Gly Gly Pro | Pro Pro Lys Gly | Leu Met |
| | 110 | 115 | 120 |
| Tyr Ser Val Asn | Pro Asn Lys Val Asp | Asp Leu Ser Lys | Phe Gly |
| | 125 | 130 | 135 |
| Lys Asn Ile Ala | Asn Met Cys Arg Gly | Ile Pro Thr Tyr | Met Ala |
| | 140 | 145 | 150 |
| Glu Glu Met Gln | Glu Ala Ser Leu Phe | Phe Tyr Ser Gly | Thr Cys |
| | 155 | 160 | 165 |
| Tyr Thr Thr Ser | Val Leu Trp Ile Val | Asp Ile Ser Phe | Cys Gly |
| | 170 | 175 | 180 |
| Asp Thr Val Glu | Asn | | |
| | 185 | | |

<210> 50

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> misc feature

<223> Incyte Clone No: 2622354

<400> 50

| | | | |
|-----------------|---------------------|-----------------|---------|
| Met Ala Pro Arg | Gly Cys Ile Val Ala | Val Phe Ala Ile | Phe Cys |
| 1 | 5 | 10 | 15 |
| Ile Ser Arg Leu | Leu Cys Ser His Gly | Ala Pro Val Ala | Pro Met |
| | 20 | 25 | 30 |
| Thr Pro Tyr Leu | Met Leu Cys Gln Pro | His Lys Arg Cys | Gly Asp |
| | 35 | 40 | 45 |
| Lys Phe Tyr Asp | Pro Leu Gln His Cys | Cys Tyr Asp Asp | Ala Val |
| | 50 | 55 | 60 |
| Val Pro Leu Ala | Arg Thr Gln Thr Cys | Gly Asn Cys Thr | Phe Arg |
| | 65 | 70 | 75 |
| Val Cys Phe Glu | Gln Cys Cys Pro Trp | Thr Phe Met Val | Lys Leu |
| | 80 | 85 | 90 |
| Ile Asn Gln Asn | Cys Asp Ser Ala Arg | Thr Ser Asp Asp | Arg Leu |
| | 95 | 100 | 105 |
| Gly Thr Thr Thr | Ser | | |
| | 110 | | |

<210> 51
 <211> 126
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2641377

<400> 51
 Met Trp Leu Gly Ser Trp Leu Thr Ser Leu Leu Leu Ser Pro Tyr
 1 5 10 15
 Gly Ser Gly Trp Glu Lys Val Pro Cys Cys Val Thr Gly His Leu
 20 25 30
 Arg Ser Cys Ser Cys Cys Leu Leu Gly Leu Ala Gly Val Gln Ser
 35 40 45
 Asp His Phe Ser Glu Gly Phe Phe Ser Glu Tyr Ser Ser Asp Val
 50 55 60
 Leu Pro Trp Gly Arg Arg Ser Phe Leu Pro Gln Gly Asp Ala Ser
 65 70 75
 Leu Leu Ala Cys Glu Cys Phe Leu His Leu Gln Val Val Trp Gly
 80 85 90
 Gln Phe Cys Leu Leu Glu Ala Trp Ala Gly Phe Thr Glu Gly Ser
 95 100 105
 Met Pro Ala Pro Ser Cys Arg Val His Phe Trp Cys Arg Val Asn
 110 115 120
 Thr Cys Ala Phe Met Ser
 125

<210> 52
 <211> 488
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2674857

<400> 52
 Met Ala Gly Lys Gly Ser Ser Gly Arg Arg Pro Leu Leu Leu Gly
 1 5 10 15
 Leu Leu Val Ala Val Ala Thr Val His Leu Val Ile Cys Pro Tyr
 20 25 30
 Thr Lys Val Glu Glu Ser Phe Asn Leu Gln Ala Thr His Asp Leu
 35 40 45
 Leu Tyr His Trp Gln Asp Leu Glu Gln Tyr Asp His Leu Glu Phe
 50 55 60
 Pro Gly Val Val Pro Arg Thr Phe Leu Gly Pro Val Val Ile Ala
 65 70 75
 Val Phe Ser Ser Phe Val Thr Val Val Val Val Val Val Val Val
 80 85 90
 Ser Lys Phe Tyr Ser Gln Leu Ile Val Arg Gly Val Leu Gly Leu
 95 100 105

| | | | |
|-----------------|---------------------|---------------------|-----|
| Gly Val Ile Phe | Gly Leu Trp Thr Leu | Gln Lys Glu Val Arg | Arg |
| 110 | | 115 | 120 |
| His Phe Gly Ala | Met Val Ala Thr Met | Phe Cys Trp Val Thr | Ala |
| 125 | | 130 | 135 |
| Met Gln Phe His | Leu Met Phe Tyr Cys | Thr Arg Thr Leu Pro | Asn |
| 140 | | 145 | 150 |
| Val Leu Ala Leu | Pro Val Val Leu Leu | Ala Leu Ala Ala Trp | Leu |
| 155 | | 160 | 165 |
| Arg His Glu Trp | Ala Arg Phe Ile Trp | Leu Ser Ala Phe Ala | Ile |
| 170 | | 175 | 180 |
| Ile Val Phe Arg | Val Glu Leu Cys Leu | Phe Leu Gly Leu Leu | Leu |
| 185 | | 190 | 195 |
| Leu Leu Ala Leu | Gly Asn Arg Lys Val | Ser Val Val Arg Ala | Leu |
| 200 | | 205 | 210 |
| Arg His Ala Val | Pro Ala Gly Ile Leu | Cys Leu Gly Leu Thr | Val |
| 215 | | 220 | 225 |
| Ala Val Asp Ser | Tyr Phe Trp Arg Gln | Leu Thr Trp Pro Glu | Gly |
| 230 | | 235 | 240 |
| Lys Val Leu Trp | Tyr Asn Thr Val Leu | Asn Lys Ser Ser Asn | Trp |
| 245 | | 250 | 255 |
| Gly Thr Ser Pro | Leu Leu Trp Tyr Phe | Tyr Ser Ala Leu Pro | Arg |
| 260 | | 265 | 270 |
| Gly Leu Gly Cys | Ser Leu Leu Phe Ile | Pro Leu Gly Leu Val | Asp |
| 275 | | 280 | 285 |
| Arg Arg Thr His | Ala Pro Thr Val Leu | Ala Leu Gly Phe Met | Ala |
| 290 | | 295 | 300 |
| Leu Tyr Ser Leu | Leu Pro His Lys Glu | Leu Arg Phe Ile Ile | Tyr |
| 305 | | 310 | 315 |
| Ala Phe Pro Met | Leu Asn Ile Thr Ala | Ala Arg Gly Cys Ser | Tyr |
| 320 | | 325 | 330 |
| Leu Leu Asn Asn | Tyr Lys Lys Ser Trp | Leu Tyr Lys Ala Gly | Ser |
| 335 | | 340 | 345 |
| Leu Leu Val Ile | Gly His Leu Val Val | Asn Ala Ala Tyr Ser | Ala |
| 350 | | 355 | 360 |
| Thr Ala Leu Tyr | Val Ser His Phe Asn | Tyr Pro Gly Gly Val | Ala |
| 365 | | 370 | 375 |
| Met Gln Arg Leu | His Gln Leu Val Pro | Pro Gln Thr Asp Val | Leu |
| 380 | | 385 | 390 |
| Leu His Ile Asp | Val Ala Ala Ala Gln | Thr Gly Val Ser Arg | Phe |
| 395 | | 400 | 405 |
| Leu Gln Val Asn | Ser Ala Trp Arg Tyr | Asp Lys Arg Glu Asp | Val |
| 410 | | 415 | 420 |
| | | 425 | 430 |
| | | 435 | 440 |
| Ala Ala Pro Gly | Leu Leu Ala Leu Tyr | Arg Asp Thr His Arg | Val |
| 440 | | 445 | 450 |
| | | 455 | 460 |
| | | 465 | 470 |
| Gln Leu Pro Pro | Phe Asn Val His Leu | Gln Thr Lys Leu Val | Leu |
| 470 | | 475 | 480 |
| Leu Glu Arg Leu | Pro Arg Pro Ser | | |
| 485 | | | |

<211> 197
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2758485

<400> 53
 Met Ser Pro Arg Arg Thr Leu Pro Arg Pro Leu Ser Leu Cys Leu
 1 5 10 15
 Ser Leu Cys Leu Cys Leu Cys Leu Ala Ala Ala Leu Gly Ser Ala
 20 25 30
 Gln Ser Gly Ser Cys Arg Asp Lys Lys Asn Cys Lys Val Val Phe
 35 40 45
 Ser Gln Gln Glu Leu Arg Lys Arg Leu Thr Pro Leu Gln Tyr His
 50 55 60
 Val Thr Gln Glu Lys Gly Thr Glu Ser Ala Phe Glu Gly Glu Tyr
 65 70 75
 Thr His His Lys Asp Pro Gly Ile Tyr Lys Cys Val Val Cys Gly
 80 85 90
 Thr Pro Leu Phe Lys Ser Glu Thr Lys Phe Asp Ser Gly Ser Gly
 95 100 105
 Trp Pro Ser Phe His Asp Val Ile Asn Ser Glu Ala Ile Thr Phe
 110 115 120
 Thr Asp Asp Phe Ser Tyr Gly Met His Arg Val Glu Thr Ser Cys
 125 130 135
 Ser Gln Cys Gly Ala His Leu Gly His Ile Phe Asp Asp Gly Pro
 140 145 150
 Arg Pro Thr Gly Lys Arg Tyr Cys Ile Asn Ser Ala Ala Leu Ser
 155 160 165
 Phe Thr Pro Ala Asp Ser Ser Gly Thr Ala Glu Gly Gly Ser Gly
 170 175 180
 Val Ala Ser Pro Ala Gln Ala Asp Lys Ala Asp Ser Glu Ser Asn
 185 190 195
 Gly Glu

<210> 54
 <211> 84
 <213> Homo sapiens

<220>
 <223> Incyte Clone No: 2783296

<400> 54
 Met Thr Pro Gln Ser Leu Leu Gln Thr Thr Leu Phe Leu Leu Ser
 1 5 10 15
 Leu Leu Phe Leu Val Gln Gly Ala His Gly Arg Gly His Arg Glu
 20 25 30
 Asp Phe Arg Phe Cys Ser Gln Arg Asn Gln Thr His Arg Ser Ser
 35 40 45
 Leu His Tyr Tyr Trp Ser Met Arg Leu Gln Ala Arg Gly Gly Pro

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| | 50 | | 55 | | 60 |
| Ser | Pro | Leu | Lys | Ser | Asn |
| Ser | Asn | Ser | Asp | Ser | Ala |
| Arg | Leu | Pro | Ile | Ser | |
| | 65 | | 70 | | 75 |
| Ser | Gly | Ser | Thr | Ser | Ser |
| Ser | Ser | Ser | Arg | Ile | |
| | 80 | | | | |

<210> 55
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2779436

<400> 55
 Met Gln Leu Gly Thr Gly Leu Leu Leu Ala Ala Val Leu Ser Leu
 1 5 10 15
 Gln Leu Ala Ala Ala Glu Ala Ile Trp Cys His Gln Cys Thr Gly
 20 25 30
 Phe Gly Gly Cys Ser His Gly Ser Arg Cys Leu Arg Asp Ser Thr
 35 40 45
 His Cys Val Thr Thr Ala Thr Arg Val Leu Ser Asn Thr Glu Asp
 50 55 60
 Leu Pro Leu Val Thr Lys Met Cys His Ile Gly Cys Pro Asp Ile
 65 70 75
 Pro Ser Leu Gly Leu Gly Pro Tyr Val Ser Ile Ala Cys Cys Gln
 80 85 90
 Thr Ser Leu Cys Asn His Asp
 95

<210> 56
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2808528

Met Ala Ala Ser Leu Gly Gln Val Leu Ala Leu Val Leu Val Ala
 1 5 10 15
 Ala Leu Trp Gly Gly Thr Gln Pro Leu Leu Lys Arg Ala Ser Ala
 20 25 30
 Gly Leu Gln Arg Val His Glu Pro Thr Trp Ala Gln Gln Leu Leu
 35 40 45
 Phe Leu Leu Asn Gln Cys Gly Ser Leu Leu Tyr Tyr Leu Thr Leu
 50 55 60
 Phe Leu Leu Asn Gln Cys Gly Ser Leu Leu Tyr Tyr Leu Thr Leu
 65 70 75

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Ser | Thr | Asp | Leu | Thr | Leu | Ala | Val | Pro | Ile | Cys | Asn | Ser | Leu |
| | | | | 80 | | | | | | 85 | | | | 90 |
| Ala | Ile | Ile | Phe | Thr | Leu | Ile | Val | Gly | Lys | Ala | Leu | Gly | Glu | Asp |
| | | | | 95 | | | | | 100 | | | | | 105 |
| Ile | Gly | Gly | Lys | Arg | Ala | Val | Ala | Gly | Met | Val | Leu | Thr | Val | Ile |
| | | | | 110 | | | | | 115 | | | | | 120 |
| Gly | Ile | Ser | Leu | Cys | Ile | Thr | Ser | Ser | Val | Ser | Lys | Thr | Gln | Gly |
| | | | | 125 | | | | | 130 | | | | | 135 |
| Gln | Gln | Ser | Thr | Leu | | | | | | | | | | |
| | | | | 140 | | | | | | | | | | |

<210> 57

<211> 285

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2809230

<400> 57

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Glu | Val | Pro | Pro | Pro | Ala | Pro | Arg | Ser | Phe | Leu | Cys | Arg | Ala |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Leu | Cys | Leu | Phe | Pro | Arg | Val | Phe | Ala | Ala | Glu | Ala | Val | Thr | Ala |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Asp | Ser | Glu | Val | Leu | Glu | Glu | Arg | Gln | Lys | Arg | Leu | Pro | Tyr | Val |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Pro | Glu | Pro | Tyr | Tyr | Pro | Glu | Ser | Gly | Trp | Asp | Arg | Leu | Arg | Glu |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Leu | Phe | Gly | Lys | Asp | Glu | Gln | Gln | Arg | Ile | Ser | Lys | Asp | Leu | Ala |
| | | | | 65 | | | | | 70 | | | | | 75 |
| Asn | Ile | Cys | Lys | Thr | Ala | Ala | Thr | Ala | Gly | Ile | Ile | Gly | Trp | Val |
| | | | | 80 | | | | | 85 | | | | | 90 |
| Tyr | Gly | Gly | Ile | Pro | Ala | Phe | Ile | His | Ala | Lys | Gln | Gln | Tyr | Ile |
| | | | | 95 | | | | | 100 | | | | | 105 |
| Glu | Gln | Ser | Gln | Ala | Glu | Ile | Tyr | His | Asn | Arg | Phe | Asp | Ala | Val |
| | | | | 110 | | | | | 115 | | | | | 120 |
| Gln | Ser | Ala | His | Arg | Ala | Ala | Thr | Arg | Gly | Phe | Ile | Arg | Tyr | Gly |
| | | | | 125 | | | | | 130 | | | | | 135 |
| Thr | Val | Asn | Thr | Ser | Leu | Asn | Val | Tyr | Arg | Asn | Lys | Asp | Ala | Leu |
| | | | | 140 | | | | | 145 | | | | | 150 |
| Thr | Val | Asn | Thr | Ser | Leu | Asn | Val | Tyr | Arg | Asn | Lys | Asp | Ala | Leu |
| | | | | 155 | | | | | 160 | | | | | 165 |
| | | | | 170 | | | | | 175 | | | | | 180 |
| Ile | Asn | Val | Gly | Leu | Arg | Gly | Leu | Val | Ala | Gly | Gly | Ile | Ile | Gly |
| | | | | 185 | | | | | 190 | | | | | 195 |
| Ala | Leu | Leu | Gly | Thr | Pro | Val | Gly | Gly | Leu | Leu | Met | Ala | Phe | Gln |
| | | | | 200 | | | | | 205 | | | | | 210 |
| Lys | Tyr | Ser | Gly | Glu | Thr | Val | Gln | Glu | Arg | Lys | Gln | Lys | Asp | Arg |
| | | | | 215 | | | | | 220 | | | | | 225 |
| Lys | Ala | Leu | His | Glu | Leu | Lys | Leu | Glu | Glu | Trp | Lys | Gly | Arg | Leu |
| | | | | 230 | | | | | 235 | | | | | 240 |
| Gln | Val | Thr | Glu | His | Leu | Pro | Glu | Lys | Ile | Glu | Ser | Ser | Leu | Gln |

| | | | |
|-----------------|---------------------|---------------------|-----|
| | 245 | 250 | 255 |
| Glu Asp Glu Pro | Glu Asn Asp Ala Lys | Lys Ile Glu Ala Leu | Leu |
| | 260 | 265 | 270 |
| Asn Leu Pro Arg | Asn Pro Ser Val Ile | Asp Lys Gln Asp Lys | Asp |
| | 275 | 280 | 285 |

<210> 58
 <211> 262
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2816821

<400> 58
 Met Thr Gln Pro Val Pro Arg Leu Ser Val Pro Ala Ala Leu Ala
 1 5 10 15
 Leu Gly Ser Ala Ala Leu Gly Ala Ala Phe Ala Thr Gly Leu Phe
 20 25 30
 Leu Gly Arg Arg Cys Pro Pro Trp Arg Gly Arg Arg Glu Gln Cys
 35 40 45
 Leu Leu Pro Pro Glu Asp Ser Arg Leu Trp Gln Tyr Leu Leu Ser
 50 55 60
 Arg Ser Met Arg Glu His Pro Ala Leu Arg Ser Leu Arg Leu Leu
 65 70 75
 Thr Leu Glu Gln Pro Gln Gly Asp Ser Met Met Thr Cys Glu Gln
 80 85 90
 Ala Gln Leu Leu Ala Asn Leu Ala Arg Leu Ile Gln Ala Lys Lys
 95 100 105
 Ala Leu Asp Leu Gly Thr Phe Thr Gly Tyr Ser Ala Leu Ala Leu
 110 115 120
 Ala Leu Ala Leu Pro Ala Asp Gly Arg Val Val Thr Cys Glu Val
 125 130 135
 Asp Ala Gln Pro Pro Glu Leu Gly Arg Pro Leu Trp Arg Gln Ala
 140 145 150
 Glu Ala Glu His Lys Ile Asp Leu Arg Leu Lys Pro Ala Leu Glu
 155 160 165
 Thr Leu Asp Glu Leu Leu Ala Ala Gly Glu Ala Gly Thr Phe Asp
 170 175 180
 Val Ala Val Val Asp Ala Asp Lys Glu Asn Cys Ser Ala Tyr Tyr
 185 190 195
 Glu Arg Cys Leu Gln Leu Leu Arg Pro Gly Gly Ile Leu Ala Val
 200 205 210
 Leu Arg Val Leu Trp Arg Gly Lys Val Leu Gln Pro Pro Lys Gly
 215 220 225
 Asp Val Ala Ala Glu Cys Val Arg Asn Leu Asn Glu Arg Ile Arg
 230 235 240
 Arg Asp Val Arg Val Tyr Ile Ser Leu Leu Pro Leu Gly Asp Gly
 245 250 255
 Leu Thr Leu Ala Phe Lys Ile
 260

<210> 59
 <211> 189
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2817268

<400> 59
 Met Ala Leu Leu Ser Arg Pro Ala Leu Thr Leu Leu Leu Leu Leu
 1 5 10 15
 Met Ala Ala Val Val Arg Cys Gln Glu Gln Ala Gln Thr Thr Asp
 20 25 30
 Trp Arg Ala Thr Leu Lys Thr Ile Arg Asn Gly Val His Lys Ile
 35 40 45
 Asp Thr Tyr Leu Asn Ala Ala Leu Asp Leu Leu Gly Gly Glu Asp
 50 55 60
 Gly Leu Cys Gln Tyr Lys Cys Ser Asp Gly Ser Lys Pro Phe Pro
 65 70 75
 Arg Tyr Gly Tyr Lys Pro Ser Pro Pro Asn Gly Cys Gly Ser Pro
 80 85 90
 Leu Phe Gly Val His Leu Asn Ile Gly Ile Pro Ser Leu Thr Lys
 95 100 105
 Cys Cys Asn Gln His Asp Arg Cys Tyr Glu Thr Cys Gly Lys Ser
 110 115 120
 Lys Asn Asp Cys Asp Glu Glu Phe Gln Tyr Cys Leu Ser Lys Ile
 125 130 135
 Cys Arg Asp Val Gln Lys Thr Leu Gly Leu Thr Gln His Val Gln
 140 145 150
 Ala Cys Glu Thr Thr Val Glu Leu Leu Phe Asp Ser Val Ile His
 155 160 165
 Leu Gly Cys Lys Pro Tyr Leu Asp Ser Gln Arg Ala Ala Cys Arg
 170 175 180
 Cys His Tyr Glu Glu Lys Thr Asp Leu
 185

<210> 60
 <211> 189
 <212> PRT
 <213> Homo sapiens

<221> misc_feature
 <223> Incyte Clone No: 2923165

<400> 60
 Met Thr Ala Ala Val Phe Phe Gly Cys Ala Phe Ile Ala Phe Gly
 1 5 10 15
 Thr Ala Val Ala Val Thr Val Ile Gly Ile Thr Thr Glu Ile Ile
 20 25 30
 Arg Ile Ile Phe Leu Ile Ala Gly Ala Phe Phe Trp Leu Val Ser
 35 40 45

[illegible]

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<210> 61
<211> 82
<212> PRT
<213> Homo sapiens
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<220>
<221> misc_feature
<223> Incyte Clone No: 2949822
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[illegible]

<210> 62
 <211> 202
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2992192

<400> 62
 Met Ala Ala Pro Trp Arg Arg Trp Pro Thr Gly Leu Leu Ala Val
 1 5 10 15
 Leu Arg Pro Leu Leu Thr Cys Arg Pro Leu Gln Gly Thr Thr Leu
 20 25 30
 Gln Arg Asp Val Leu Leu Phe Glu His Asp Arg Gly Arg Phe Phe
 35 40 45
 Thr Ile Leu Gly Leu Phe Cys Ala Gly Gln Gly Val Phe Trp Ala
 50 55 60
 Ser Met Ala Val Ala Ala Val Ser Arg Pro Pro Val Pro Val Gln
 65 70 75
 Pro Leu Asp Ala Glu Val Pro Asn Arg Gly Pro Phe Asp Leu Arg
 80 85 90
 Ser Ala Leu Trp Arg Tyr Gly Leu Ala Val Gly Cys Gly Ala Ile
 95 100 105
 Gly Ala Leu Val Leu Gly Ala Gly Leu Leu Phe Ser Leu Arg Ser
 110 115 120
 Val Arg Ser Val Val Leu Arg Ala Gly Gly Gln Gln Val Thr Leu
 125 130 135
 Thr Thr His Ala Pro Phe Gly Leu Gly Ala His Phe Thr Val Pro
 140 145 150
 Leu Lys Gln Val Ser Cys Met Ala His Arg Gly Glu Val Pro Ala
 155 160 165
 Met Leu Pro Leu Lys Val Lys Gly Arg Arg Phe Tyr Phe Leu Leu
 170 175 180
 Asp Lys Thr Gly His Phe Pro Asn Thr Lys Leu Phe Asp Asn Thr
 185 190 195
 Val Gly Ala Tyr Arg Ser Leu
 200

<210> 63
 <211> 450
 <212> PRT

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2992458

<400> 63
 Cys Leu Gly Leu Glu Leu Ser Arg Cys Arg Ala Lys Pro Pro Gly
 1 5 10 15
 20 25 30

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Arg | Ala | Cys | Ser | Asn | Pro | Ser | Phe | Leu | Arg | Phe | Gln | Leu | Asp | Phe | |
| | | | | 35 | | | | | 40 | | | | | 45 | |
| Tyr | Gln | Val | Tyr | Phe | Leu | Ala | Leu | Ala | Ala | Asp | Trp | Leu | Gln | Ala | |
| | | | | 50 | | | | | 55 | | | | | 60 | |
| Pro | Tyr | Leu | Tyr | Lys | Leu | Tyr | Gln | His | Tyr | Tyr | Phe | Leu | Glu | Gly | |
| | | | | 65 | | | | | 70 | | | | | 75 | |
| Gln | Ile | Ala | Ile | Leu | Tyr | Val | Cys | Gly | Leu | Ala | Ser | Thr | Val | Leu | |
| | | | | 80 | | | | | 85 | | | | | 90 | |
| Phe | Gly | Leu | Val | Ala | Ser | Ser | Leu | Val | Asp | Trp | Leu | Gly | Arg | Lys | |
| | | | | 95 | | | | | 100 | | | | | 105 | |
| Asn | Ser | Cys | Val | Leu | Phe | Ser | Leu | Thr | Tyr | Ser | Leu | Cys | Cys | Leu | |
| | | | | 110 | | | | | 115 | | | | | 120 | |
| Thr | Lys | Leu | Ser | Gln | Asp | Tyr | Phe | Val | Leu | Leu | Val | Gly | Arg | Ala | |
| | | | | 125 | | | | | 130 | | | | | 135 | |
| Leu | Gly | Gly | Leu | Ser | Thr | Ala | Leu | Leu | Phe | Ser | Ala | Phe | Glu | Ala | |
| | | | | 140 | | | | | 145 | | | | | 150 | |
| Trp | Tyr | Ile | His | Glu | His | Val | Glu | Arg | His | Asp | Phe | Pro | Ala | Glu | |
| | | | | 155 | | | | | 160 | | | | | 165 | |
| Trp | Ile | Pro | Ala | Thr | Phe | Ala | Arg | Ala | Ala | Phe | Trp | Asn | His | Val | |
| | | | | 170 | | | | | 175 | | | | | 180 | |
| Leu | Ala | Val | Val | Ala | Gly | Val | Ala | Ala | Glu | Ala | Val | Ala | Ser | Trp | |
| | | | | 185 | | | | | 190 | | | | | 195 | |
| Ile | Gly | Leu | Gly | Pro | Val | Ala | Pro | Phe | Val | Ala | Ala | Ile | Pro | Leu | |
| | | | | 200 | | | | | 205 | | | | | 210 | |
| Leu | Ala | Leu | Ala | Gly | Ala | Leu | Ala | Leu | Arg | Asn | Trp | Gly | Glu | Asn | |
| | | | | 215 | | | | | 220 | | | | | 225 | |
| Tyr | Asp | Arg | Gln | Arg | Ala | Phe | Ser | Arg | Thr | Cys | Ala | Gly | Gly | Leu | |
| | | | | 230 | | | | | 235 | | | | | 240 | |
| Arg | Cys | Leu | Leu | Ser | Asp | Arg | Arg | Val | Leu | Leu | Leu | Gly | Thr | Ile | |
| | | | | 245 | | | | | 250 | | | | | 255 | |
| Gln | Ala | Leu | Phe | Glu | Ser | Val | Ile | Phe | Ile | Phe | Val | Phe | Leu | Trp | |
| | | | | 260 | | | | | 265 | | | | | 270 | |
| Thr | Pro | Val | Leu | Asp | Pro | His | Gly | Ala | Pro | Leu | Gly | Ile | Ile | Phe | |
| | | | | 275 | | | | | 280 | | | | | 285 | |
| Ser | Ser | Phe | Met | Ala | Ala | Ser | Leu | Leu | Gly | Ser | Ser | Leu | Tyr | Arg | |
| | | | | 290 | | | | | 295 | | | | | 300 | |
| Ile | Ala | Thr | Ser | Lys | Arg | Tyr | His | Leu | Gln | Pro | Met | His | Leu | Leu | |
| | | | | 305 | | | | | 310 | | | | | 315 | |
| Ser | Leu | Ala | Val | Leu | Ile | Val | Val | Phe | Ser | Leu | Phe | Met | Leu | Thr | |
| | | | | 320 | | | | | 325 | | | | | 330 | |
| Phe | Ser | Thr | Ser | Pro | Gly | Gln | Glu | Ser | Pro | Val | Glu | Ser | Phe | Ile | |
| | | | | 335 | | | | | 340 | | | | | 345 | |
| Ala | Phe | Leu | Leu | Ile | Ser | Leu | Ala | Cys | Gly | Leu | Gly | Thr | Pro | Leu | |
| | | | | 350 | | | | | 355 | | | | | 360 | |
| Met | Ser | Phe | Leu | Arg | Arg | Lys | Val | Ile | Pro | Glu | Thr | Glu | Gln | Ala | |
| | | | | 365 | | | | | 370 | | | | | 375 | |
| | | | | 380 | | | | | 385 | | | | | 390 | |
| Leu | Gly | Leu | Leu | Val | Leu | His | Asp | Ser | Asp | Arg | Lys | Thr | Gly | Thr | |
| | | | | 395 | | | | | 400 | | | | | 405 | |
| Arg | Asn | Met | Phe | Ser | Ile | Cys | Ser | Ala | Val | Met | Val | Met | Ala | Leu | |
| | | | | 410 | | | | | 415 | | | | | 420 | |
| Leu | Ala | Val | Val | Gly | Leu | Phe | Thr | Val | Val | Arg | His | Asp | Ala | Glu | |
| | | | | 425 | | | | | 430 | | | | | 435 | |
| Leu | Arg | Val | Pro | Ser | Pro | Thr | Glu | Glu | Pro | Tyr | Ala | Pro | Glu | Leu | |
| | | | | 440 | | | | | 445 | | | | | 450 | |

<210> 64
 <211> 322
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3044710

<400> 64
 Met Ala Arg Cys Phe Ser Leu Val Leu Leu Leu Thr Ser Ile Trp
 1 5 10 15
 Thr Thr Arg Leu Leu Val Gln Gly Ser Leu Arg Ala Glu Glu Leu
 20 25 30
 Ser Ile Gln Val Ser Cys Arg Ile Met Gly Ile Thr Leu Val Ser
 35 40 45
 Lys Lys Ala Asn Gln Gln Leu Asn Phe Thr Glu Ala Lys Glu Ala
 50 55 60
 Cys Arg Leu Leu Gly Leu Ser Leu Ala Gly Lys Asp Gln Val Glu
 65 70 75
 Thr Ala Leu Lys Ala Ser Phe Glu Thr Cys Ser Tyr Gly Trp Val
 80 85 90
 Gly Asp Gly Phe Val Val Ile Ser Arg Ile Ser Pro Asn Pro Lys
 95 100 105
 Cys Gly Lys Asn Gly Val Gly Val Leu Ile Trp Lys Val Pro Val
 110 115 120
 Ser Arg Gln Phe Ala Ala Tyr Cys Tyr Asn Ser Ser Asp Thr Trp
 125 130 135
 Thr Asn Ser Cys Ile Pro Glu Ile Ile Thr Thr Lys Asp Pro Ile
 140 145 150
 Phe Asn Thr Gln Thr Ala Thr Gln Thr Thr Glu Phe Ile Val Ser
 155 160 165
 Asp Ser Thr Tyr Ser Val Ala Ser Pro Tyr Ser Thr Ile Pro Ala
 170 175 180
 Pro Thr Thr Thr Pro Pro Ala Pro Ala Ser Thr Ser Ile Pro Arg
 185 190 195
 Arg Lys Lys Leu Ile Cys Val Thr Glu Val Phe Met Glu Thr Ser
 200 205 210
 Thr Met Ser Thr Glu Thr Glu Pro Phe Val Glu Asn Lys Ala Ala
 215 220 225
 Phe Lys Asn Gln Val Val Gln Val Gly Val Val Val Val Val Val
 230 235 240
 Leu Val Leu Ala Leu Leu Phe Phe Gly Ala Ala Ala Gly Leu Gly
 245 250 255
 Val Val Val Val Val Val Val Val Val Val Val Val Val Val Val
 260 265 270
 Lys Asn Gln Gln Lys Glu Met Ile Glu Thr Lys Val Val Lys Glu
 275 280 285
 Glu Lys Ala Asn Asp Ser Asn Pro Asn Glu Glu Ser Lys Lys Thr
 290 295 300
 Asp Lys Asn Pro Glu Glu Ser Lys Ser Pro Ser Lys Thr Thr Val
 305 310 315
 Arg Cys Leu Glu Ala Glu Val
 320

<210> 65
 <211> 104
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3120415

<400> 65
 Met Lys Leu Ala Ala Leu Leu Gly Leu Cys Val Ala Leu Ser Cys
 1 5 10 15
 Ser Ser Ala Ala Ala Phe Leu Val Gly Ser Ala Lys Pro Val Ala
 20 25 30
 Gln Pro Val Ala Ala Leu Glu Ser Ala Ala Glu Ala Gly Ala Gly
 35 40 45
 Thr Leu Ala Asn Pro Leu Gly Thr Leu Asn Pro Leu Lys Leu Leu
 50 55 60
 Leu Ser Ser Leu Gly Ile Pro Val Asn His Leu Ile Glu Gly Ser
 65 70 75
 Gln Lys Cys Val Ala Glu Leu Gly Pro Gln Ala Val Gly Ala Val
 80 85 90
 Lys Ala Leu Lys Ala Leu Leu Gly Ala Leu Thr Val Phe Gly
 95 100

<210> 66
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 126758

<400> 66
 Met Lys Leu Val Thr Ile Phe Leu Leu Val Thr Ile Ser Leu Cys
 1 5 10 15
 Ser Lys Thr Val Thr Val Leu Val Thr Val Thr Val Thr Val Thr
 20 25 30
 Val Asp Lys Leu Ala Pro Leu Pro Leu Asp Asn Ile Leu Pro Phe
 35 40 45
 Pro Lys Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr
 50 55 60
 Glu His Leu Val Glu Gly Leu Arg Lys Cys Val Asn Glu Leu Gly
 65 70 75
 Pro Glu Ala Ser Glu Ala Val Lys Lys Leu Leu Glu Ala Leu Ser
 80 85 90
 His Leu Val

<210> 67
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 674760

<400> 67
 Met Thr Ala Gly Gln Phe Pro Ala Leu Val Ser Leu Ala Leu Leu
 1 5 10 15
 Leu Asp Gly Gly Arg Arg Ala Ser Ala Arg Arg Asn Arg Gly His
 20 25 30
 Leu Trp Val Phe Cys Thr Ser Phe Leu Leu Ala Pro Trp Glu Val
 35 40 45
 Glu Asp Val Gly Trp Lys Lys Gly Leu Asp Leu Pro Pro Ser Ser
 50 55 60
 Ser Pro Pro Ser Pro Lys Glu Leu Ala Leu Gln
 65 70

<210> 68
 <211> 394
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1229438

<400> 68
 Met Lys Arg Gln Asn Val Arg Thr Leu Ala Leu Ile Val Cys Thr
 1 5 10 15
 Phe Thr Tyr Leu Leu Val Gly Ala Ala Val Phe Asp Ala Leu Glu
 20 25 30
 Ser Glu Pro Glu Leu Ile Glu Arg Gln Arg Leu Glu Leu Arg Gln
 35 40 45
 Gln Glu Leu Arg Ala Arg Tyr Asn Leu Ser Gln Gly Gly Tyr Glu
 50 55 60
 Val Thr Glu Arg Val Val Ala Arg Val Thr Glu Val Val Val
 65 70 75
 Val Gln Trp Arg Phe Ala Gly Ser Phe Tyr Phe Ala Ile Thr Val
 80 85 90
 Ile Thr Val Val Glu Thr Glu Val Val Val Thr Thr Thr Arg
 95 100 105
 Gly Lys Val Phe Cys Met Phe Tyr Ala Leu Leu Gly Ile Pro Leu
 110 115 120
 Thr Leu Val Met Phe Gln Ser Leu Gly Glu Arg Ile Asn Thr Leu
 125 130 135
 Val Arg Tyr Leu Leu His Arg Ala Lys Lys Gly Leu Gly Met Arg
 140 145
 Arg Ala Asp Val Ser Met Ala Asn Met Val Leu Ile Gly Phe Phe
 155 160 165
 Ser Cys Ile Ser Thr Leu Cys Ile Gly Ala Ala Ala Phe Ser His

| | | | | | |
|---|-----|--|-----|--|-----|
| | 170 | | 175 | | 180 |
| Tyr Glu His Trp Thr Phe Phe Gln Ala Tyr Tyr Tyr Cys Phe Ile | | | | | |
| | 185 | | 190 | | 195 |
| Thr Leu Thr Thr Ile Gly Phe Gly Asp Tyr Val Ala Leu Gln Lys | | | | | |
| | 200 | | 205 | | 210 |
| Asp Gln Ala Leu Gln Thr Gln Pro Gln Tyr Val Ala Phe Ser Phe | | | | | |
| | 215 | | 220 | | 225 |
| Val Tyr Ile Leu Thr Gly Leu Thr Val Ile Gly Ala Phe Leu Asn | | | | | |
| | 230 | | 235 | | 240 |
| Leu Val Val Leu Arg Phe Met Thr Met Asn Ala Glu Asp Glu Lys | | | | | |
| | 245 | | 250 | | 255 |
| Arg Asp Ala Glu His Arg Ala Leu Leu Thr Arg Asn Gly Gln Ala | | | | | |
| | 260 | | 265 | | 270 |
| Gly Gly Gly Gly Gly Gly Gly Ser Ala His Thr Thr Asp Thr Ala | | | | | |
| | 275 | | 280 | | 285 |
| Ser Ser Thr Ala Ala Ala Gly Gly Gly Gly Phe Arg Asn Val Tyr | | | | | |
| | 290 | | 295 | | 300 |
| Ala Glu Val Leu His Phe Gln Ser Met Cys Ser Cys Leu Trp Tyr | | | | | |
| | 305 | | 310 | | 315 |
| Lys Ser Arg Glu Lys Leu Gln Tyr Ser Ile Pro Met Ile Ile Pro | | | | | |
| | 320 | | 325 | | 330 |
| Arg Asp Leu Ser Thr Ser Asp Thr Cys Val Glu Gln Ser His Ser | | | | | |
| | 335 | | 340 | | 345 |
| Ser Pro Gly Gly Gly Gly Arg Tyr Ser Asp Thr Pro Ser Arg Arg | | | | | |
| | 350 | | 355 | | 360 |
| Cys Leu Cys Ser Gly Ala Pro Arg Ser Ala Ile Ser Ser Val Ser | | | | | |
| | 365 | | 370 | | 375 |
| Thr Gly Leu His Ser Leu Ser Thr Phe Arg Gly Leu Met Lys Arg | | | | | |
| | 380 | | 385 | | 390 |
| Arg Ser Ser Val | | | | | |

<210> 69

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1236935

<400> 69

| | | | | | |
|---|----|--|----|--|----|
| Met Cys Pro Phe Phe Pro Leu Thr Ser Leu Ile Val Phe Leu Ile | | | | | |
| 1 | 5 | | 10 | | 15 |
| | | | | | |
| | 20 | | 25 | | 30 |
| Leu Gly Leu Pro Lys Cys Trp Asp Tyr Arg Arg Glu His Arg Ala | | | | | |
| | 35 | | 40 | | 45 |
| Arg Pro Thr Ile Val Phe Ser Lys His Val Tyr Thr Tyr Ser Met | | | | | |
| | 50 | | 55 | | 60 |
| Arg Met Gln Ile Glu Ile Ser Thr Asn Ile Ser Gln | | | | | |
| | | | | | |

<210> 70
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1359283

<400> 70
 Met Arg Leu Thr Gly Leu Thr Leu Leu Leu Ser Leu Met Glu Ser
 1 5 10 15
 Leu Gly Gln Val Glu Asp Arg Phe Phe Ser Thr His Arg Arg Phe
 20 25 30
 Pro His His Thr Pro Ile Ser Gly Leu Leu Cys Arg Glu Phe Ser
 35 40 45
 Leu Pro Lys Arg Ser Gly Val Pro Trp Thr Arg Val Leu Ile Ser
 50 55 60
 Cys Ile Trp Arg Ser Gly Ala Gly Lys Arg Met
 65 70

<210> 71
 <211> 247
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1450703

<400> 71
 Met His Leu Ala Arg Leu Val Gly Ser Cys Ser Leu Leu Leu Leu
 1 5 10 15
 Leu Gly Ala Leu Ser Gly Trp Ala Ala Ser Asp Asp Pro Ile Glu
 20 25 30
 Lys Val Ile Glu Gly Ile Asn Arg Gly Leu Ser Asn Ala Glu Arg
 35 40 45
 Glu Val Gly Lys Ala Leu Asp Gly Ile Asn Ser Gly Ile Thr His
 50 55 60
 Gly Val Gly Leu Val Gly Ile Thr Ser Ser Thr Thr Thr
 65 70 75
 Gly Ser His Thr Gly Lys Glu Leu Asp Lys Gly Val Gln Gly Leu
 80 85 90
 Gly Val Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr
 95 100 105
 Gly Gln Ala Gly Lys Glu Ala Glu Lys Leu Gly His Gly Val Asn
 110 115 120
 Asn Ala Ala Gly Gln Ala Gly Ile Glu Ala Asp Lys Ala Val Gln
 125 130 135
 Gly Phe His Thr Gly Val His Gln Ala Gly Lys Glu Ala Glu Lys
 140 145 150
 Leu Gly Gln Gly Val Asn His Ala Ala Asp Gln Ala Gly Lys Glu
 155 160 165
 Val Glu Lys Leu Gly Gln Gly Ala His His Ala Ala Gly Gln Ala

| | | | |
|---|-----|-----|-----|
| | 170 | 175 | 180 |
| Gly Lys Glu Leu Gln Asn Ala His Asn Gly Val Asn Gln Ala Ser | | | |
| | 185 | 190 | 195 |
| Lys Glu Ala Asn Gln Leu Leu Asn Gly Asn His Gln Ser Gly Ser | | | |
| | 200 | 205 | 210 |
| Ser Ser His Gln Gly Gly Ala Thr Thr Thr Pro Leu Ala Ser Gly | | | |
| | 215 | 220 | 225 |
| Ala Ser Val Asn Thr Pro Phe Ile Asn Leu Pro Ala Leu Trp Arg | | | |
| | 230 | 235 | 240 |
| Ser Val Ala Asn Ile Met Pro | | | |
| | 245 | | |

<210> 72
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1910668

| | |
|---|--|
| <400> 72 | |
| Met Thr Cys Trp Met Leu Pro Pro Ile Ser Phe Leu Ser Tyr Leu | |
| 1 5 10 15 | |
| Pro Leu Trp Leu Gly Pro Ile Trp Pro Cys Ser Gly Ser Thr Leu | |
| 20 25 30 | |
| Gly Lys Pro Asp Pro Gly Val Trp Pro Ser Leu Phe Arg Pro Trp | |
| 35 40 45 | |
| Asp Ala Ala Ser Pro Gly Asn Tyr Ala Leu Ser Arg Gly Glu Asn | |
| 50 55 60 | |
| Gln Tyr Glu Lys Trp Gly Gln Gly Thr His Ser Ser Leu | |
| 65 70 | |

<210> 73
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1910668

| | |
|---|--|
| <400> 73 | |
| Met Gly Arg Leu Arg Tyr Phe Phe Ser Leu Leu Leu Arg Trp | |
| 1 5 10 15 | |
| Gly Gln Leu Leu Gly Ala Asp Glu Phe Cys Cys His Lys Ser Tyr | |
| 20 25 30 | |
| His Ala Leu Glu Lys Tyr Lys Lys Asn Leu Gln Val Ser Ile Leu | |
| 35 40 45 | |
| His Ala Leu Glu Lys Tyr Lys Lys Asn Leu Gln Val Ser Ile Leu | |
| 50 55 60 | |

Ser Pro Tyr Pro Thr Asp Pro Ile His Leu
65 70

<210> 74
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1961637

<400> 74
Met Met Phe Thr Ser Leu Ser Leu Ala Leu Pro Phe Leu Leu Gln
1 5 10 15
Thr Met Leu Cys Leu Arg Ala Leu Leu Ile Ala Val Pro His Gly
20 25 30
His Asp Trp Asn Arg Asp Ala Thr Ser Phe Tyr Thr Ser Thr Val
35 40 45
Ser Trp Val Lys Ser Phe Phe Leu Phe Val Leu Asp Gly Val Ser
50 55 60
Leu Leu Leu Pro Arg Leu Glu
65

<210> 75
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1990762

<400> 75
Met Trp Pro Thr Thr Trp Ala Trp Ser Trp Val Gln Thr Leu Thr
1 5 10 15
Leu Val Thr Ile Ser Cys Val Thr Ile Val Gln Thr Ile Thr
20 25 30
Thr Leu Gln Val Ser Phe Leu Ile Cys Glu Met Asp Val Ile Ile
35 40 45
Pro Pro Pro Leu Leu Leu Leu Gly Glu Phe Trp Ile Trp Asn Pro
50 55 60
Val Ser Arg Ile Leu Phe Trp Leu Cys His Val Pro Ala Gly Gln
65 70 75
Leu 80 85 90

<210> 76
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1994131

<400> 76
 Met Asn Glu Trp Trp Leu Leu Leu Leu Leu His Leu His Pro Pro
 1 5 10 15
 Arg Val Ile Ser Pro Phe Trp Phe Ile Val Ser Val Leu Thr Ala
 20 25 30
 Cys Asp Asn Arg Lys Tyr Ile Leu Leu Arg Thr Val Pro Val Phe
 35 40 45
 Ser Phe Pro Glu Asn Thr Tyr Phe Asp Val Gly
 50 55

<210> 77
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1997745

<400> 77
 Met Pro Leu Phe Leu Ser Ile Pro Ser Leu Phe Leu Thr Leu Ser
 1 5 10 15
 Gly Leu Gly Leu Ala Val Gln Ser Pro Ala Gly Gly Cys Trp Gly
 20 25 30
 Leu Ser Leu Cys Arg His Cys Val Phe Leu Arg Gly Cys Pro Gln
 35 40 45
 Asn Thr Pro Pro Ala Pro Trp Gly Ser Ser Gly Ser His Phe Ser
 50 55 60
 Trp Ser Leu Arg Ser Gln Lys Gln Leu Leu Gln Glu Ala Lys Lys
 65 70 75
 Arg Leu Gly Trp Leu Leu Val Leu His Leu Ala Thr Ile Leu Leu
 80 85 90
 Gly His Phe Gly Tyr Ile His Gly His Cys Phe His Leu Ser Phe
 95 100 105
 110

<210> 78
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2009035

<400> 78

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Met Met Leu Gln Pro Val Asp Leu Leu Gln Ser Tyr Leu Leu Leu
  1              5              10              15
Leu Tyr Cys Trp Ser Phe Ser Leu Leu Phe Thr Leu Leu Cys Asn
              20              25              30
Ala Val Arg Asn Asp Phe Phe His Lys Leu Phe Ser Ile Tyr Trp
              35              40              45
Met Tyr Asn Leu Thr His Ser Lys His
              50

```

<210> 79

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2009152

<400> 79

```

Met Lys Phe Tyr Ala Val Leu Leu Ser Ile Cys Leu Leu Leu Ser
  1              5              10              15
Cys Trp Cys Ala Cys His Val Arg Asp Cys Asn Leu Ile Cys Leu
              20              25              30
Phe Ser Thr Val Lys Ala Ile Thr Arg Glu Leu Leu Gln Leu Pro
              35              40              45
Ser Tyr Val Lys Arg Phe Phe Phe Asn Ser Leu Arg
              50              55

```

<210> 80

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2009152

<400> 80

```

Met Gln Arg Leu Gly Lys Ala Pro Gly Thr Trp Gln Ala Ile Ser
  1              5              10              15
Lys Cys Trp Leu Leu Leu Leu Leu Ser Leu Pro Phe Ser Gln Ser
              20              25              30
Ile Ile Ile Leu Arg Ala Gly Lys Ile Ser Ile Ile Pro
              35              40              45
Tyr Phe Pro Gln Tyr Phe Pro
              50

```

<210> 81
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2061933

<400> 81
 Met Lys Leu Leu Leu Leu Lys Leu Asp Phe Phe Ile Leu Leu Gly
 5 10 15
 Ser Glu Glu Ser Arg Cys Leu Val Asp Val Gln Tyr Val Ile Phe
 20 25 30
 Phe Leu Ile Glu Cys Val His Leu Lys Ser Ser Leu Thr Phe Leu
 35 40 45
 Glu Arg Leu Leu Ser Ile Asn Asn Gly Ile Leu Glu Glu Lys Trp
 50 55 60
 Phe Phe Lys Ser

<210> 82
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2081422

<400> 82
 Met Lys Pro Leu Ile Pro Phe Leu Ser Pro Pro Pro Leu Leu Pro
 5 10 15
 Leu Thr Phe Phe Leu Ser Ser Leu Leu Leu Ser Pro Leu Cys Arg
 20 25 30
 Ala Leu Gly Thr Ser Gln Ala Val Pro Pro Leu Arg Ala Leu Ser
 35 40 45
 Val Thr Asp Thr Thr Val Thr Thr Thr Thr Thr Thr Thr Thr Thr
 50 55 60
 Ala Cys Pro Cys Leu
 65

<210> 83
 <211> 56
 <212> PRT

<220>
 <221> misc_feature

<223> Incyte Clone No: 2101278

<400> 83

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Arg | Ala | Asp | Arg | Leu | Leu | Pro | Ile | Ser | Ala | Leu | Cys | Leu | Leu |
| 1 | | | | | 5 | | | | 10 | | | | 15 | |
| Tyr | Thr | Pro | Gly | Gly | Ala | Leu | Glu | Pro | Ala | Gln | Val | Gly | Tyr | Thr |
| | | | 20 | | | | | | 25 | | | | 30 | |
| Ile | Phe | Leu | Asn | Ser | Ile | Trp | Leu | Pro | Ala | Tyr | Phe | Phe | His | Leu |
| | | | 35 | | | | | | 40 | | | | 45 | |
| Phe | Thr | Val | Ile | Ser | Gly | Val | Phe | Leu | Phe | Ile | | | | |
| | | | 50 | | | | | | 55 | | | | | |

<210> 84

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2121353

<400> 84

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Pro | Ala | Leu | Pro | Pro | Gly | Phe | Ser | Gln | Ala | Gly | Ser | Cys | Val |
| 1 | | | | 5 | | | | | 10 | | | | 15 | |
| Pro | Thr | Gly | Ser | Ser | Leu | Val | Leu | Cys | Leu | Leu | Ala | Ala | Ser | Leu |
| | | | 20 | | | | | | 25 | | | | 30 | |
| Leu | Leu | Phe | Val | Pro | Thr | Leu | Ala | Leu | Leu | Thr | Gly | Ala | Thr | Thr |
| | | | 35 | | | | | | 40 | | | | 45 | |
| Cys | Trp | Cys | Leu | His | Asn | Lys | Arg | Leu | Ala | Leu | Arg | Pro | Leu | Ala |
| | | | 50 | | | | | | 55 | | | | 60 | |
| Trp | Gln | Gly | Leu | Trp | Gly | Leu | Val | Ser | Thr | Arg | Leu | Ser | His | Gly |
| | | | 65 | | | | | | 70 | | | | 75 | |
| Arg | Thr | Ser | Phe | Tyr | Phe | Asn | Ser | Leu | Pro | Leu | Gln | Thr | Asn | Ser |
| | | | 80 | | | | | | 85 | | | | 90 | |
| Ser | Thr | Cys | Gln | Asn | His | Ser | Trp | Asp | Ser | Gly | Ala | Arg | Ala | Thr |
| | | | 95 | | | | | | 100 | | | | 105 | |
| Ala | Leu | Ala | Ser | Gly | Arg | Thr | Gln | Glu | Gly | Gly | Val | Gly | Ser | Val |
| | | | 110 | | | | | | 115 | | | | 120 | |

<210> 85

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2241736

<400> 85

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Asn | Ser | Leu | Val | Leu | Phe | Leu | Gly | His | Leu | Gly | Leu | Leu | Ile |
| 1 | | | | 5 | | | | | 10 | | | | 15 | |

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Asp | Cys | Val | Leu | Leu | Phe | Ala | Met | Ser | Lys | Val | Ser | Gln | Lys |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Gln | Lys | Val | Leu | Gly | Pro | Phe | Gly | Ser | Pro | Glu | Leu | Glu | Ser | Leu |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Gly | Ile | Gly | Pro | Arg | Tyr | Leu | His | Phe | His | Arg | Phe | Leu | Val | Gly |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Asp | Phe | Leu | Gln | Ala | Lys | Val | | | | | | | | |
| | | | | 65 | | | | | | | | | | |

<210> 86
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2271935

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ala | Trp | Leu | Ser | Phe | Ala | Ala | Val | Glu | Met | Thr | Leu | Leu | Leu |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| His | Ser | Ser | Ser | Leu | Leu | Ser | Phe | Ala | Lys | Val | Val | Leu | Ser | Leu |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Pro | Glu | Ile | Arg | Pro | Phe | Gly | Asp | Gly | Asn | Phe | Ser | Leu | Lys | Gln |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Ser | Ser | Lys | Gln | Asn | Pro | Asn | Pro | Ala | Arg | Val | Gly | Arg | Lys | Ser |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Met | Phe | | | | | | | | | | | | | |

<210> 87
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2271935

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Met | Ile | Leu | Leu | Ser | Leu | Leu | Val | Ala | Leu | Ile | Ser | Val | Ser |
| | | | | | | | | | | | | | | |
| Leu | Val | Phe | Leu | Gly | Leu | Val | Arg | Phe | Ser | Arg | Glu | Asp | Phe | Ser |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Phe | Pro | Leu | Trp | Arg | Glu | Lys | Ala | Phe | Tyr | Gln | His | Ser | Ser | Ser |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Ser | Val | Gly | Glu | Arg | Leu | Gln | Ala | Leu | Arg | Lys | His | Ala | Phe | Thr |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Ile | Phe | Gly | Thr | Ile | Phe | Leu | Val | Val | Val | Val | Val | Val | Val | Val |
| | | | | 65 | | | | | 70 | | | | | 75 |

<210> 88
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2303994

<400> 88
 Met Asn Ser Ile Phe Phe Leu Ser Leu Cys Leu Pro Leu Trp Val
 1 5 10 15
 Ser Leu Leu Trp Ala Lys Pro Leu Glu Met His Lys Thr Ser Arg
 20 25 30
 His Gly Phe Trp Gln Lys Leu His Asp Phe Lys Leu Ala Leu Leu
 35 40 45
 Leu Leu Thr Phe His Arg Glu Lys Ile Phe Pro Leu Lys Lys Thr
 50 55 60
 Gly Leu Val Ile Phe Ser Leu Val Ala Leu Ser Arg Asp Ile Ser
 65 70 75
 Ala Leu His Tyr Thr
 80

<210> 89
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2497805

<400> 89
 Met Arg Pro Ala Arg Leu Gly Pro Arg Cys Ser Asp Leu Asp Phe
 1 5 10 15
 Gly Leu Val Leu Ser Ser Trp Leu Arg Leu Ala Arg Cys Pro Leu
 20 25 30
 Glu Ser Ser Phe Gly Phe Ala Phe Phe Val Cys Leu Phe Ser Pro
 Asn Phe Cys Gln Thr
 50

<210> 90
 <211> 116
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2646362

<400> 90

```

Met Trp Trp Ala Leu Cys Ser Met Leu Pro Leu Leu Gly Cys Ala
 1              5              10              15
Cys Ser Ser Gly Cys Trp Gly Ser Gly Pro Thr Pro Leu Leu Ala
              20              25              30
Glu Pro Thr Phe Leu Cys Val Ser Ser Arg Pro His Asn Pro Leu
              35              40              45
Ser Phe Leu Ser Val Leu Pro Cys Ser Arg Gly Pro Gly Pro Ser
              50              55              60
Gly Leu Gln Gly Asp Gly Ala Gly Leu Pro Ala His Leu Gly Pro
              65              70              75
Leu Ser Cys Ile Cys Leu Pro Ser Leu Leu Cys Asp Leu Gly Glu
              80              85              90
Arg Gln Cys Pro Leu Trp Ala Val Arg Ser Thr Gln Cys Leu Ile
              95              100             105
Ala Gly Lys Lys Val Leu Gln Arg Leu Cys Pro
              110             115

```

<210> 91

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2657146

<400> 91

```

Met Ile Cys Gln Cys Leu Arg Leu Leu Leu Val Leu Val Thr Leu
 1              5              10              15
Leu Ile Cys Phe Ser Pro Asp Arg Leu Thr Cys Pro Leu Asn Ser
              20              25              30
Ala Val Val Leu Ala Ser Tyr Ala Val Gln Cys Lys Ser Gln Arg
              35              40              45
Glu His Phe Thr Asp Gly Gln Val Val Leu Ile Ser Val Trp Arg
              50              55              60
Lys Ser Leu Val Pro Pro Ala
              65

```

<210> 92

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2755786

<400> 92

```

Met Ala Gly Ala Arg Ala Ala Ala Ala Ala Ser Ala Gly Ser
 1              5              10              15

```

| | | | |
|---|-----|-----|-----|
| Ser Ala Ser Ser Gly Asn Gln Pro Pro Gln Glu Leu Gly Leu Gly | 20 | 25 | 30 |
| Glu Leu Leu Glu Glu Phe Ser Arg Thr Gln Tyr Arg Ala Lys Asp | 35 | 40 | 45 |
| Gly Ser Gly Thr Gly Gly Ser Lys Val Glu Arg Ile Glu Lys Arg | 50 | 55 | 60 |
| Cys Leu Glu Leu Phe Gly Arg Asp Tyr Cys Phe Ser Val Ile Pro | 65 | 70 | 75 |
| Asn Thr Asn Gly Asp Ile Cys Gly His Tyr Pro Arg His Ile Val | 80 | 85 | 90 |
| Phe Leu Glu Tyr Glu Ser Ser Glu Lys Glu Lys Asp Thr Phe Glu | 95 | 100 | 105 |
| Ser Thr Val Gln Val Ser Lys Leu Gln Asp Leu Ile His Arg Ser | 110 | 115 | 120 |
| Lys Met Ala Arg Cys Arg Gly Arg Phe Val Cys Pro Val Ile Leu | 125 | 130 | 135 |
| Phe Lys Gly Lys His Ile Cys Arg Ser Ala Thr Leu Ala Gly Trp | 140 | 145 | 150 |
| Gly Glu Leu Tyr Gly Arg Ser Gly Tyr Asn Tyr Phe Phe Ser Gly | 155 | 160 | 165 |
| Gly Ala Asp Asp Ala Trp Ala Asp Val Glu Asp Val Thr Glu Glu | 170 | 175 | 180 |
| Asp Cys Ala Leu Arg Ser Gly Asp Thr His Leu Phe Asp Lys Val | 185 | 190 | 195 |
| Arg Gly Tyr Asp Ile Lys Leu Leu Arg Tyr Leu Ser Val Lys Tyr | 200 | 205 | 210 |
| Ile Cys Asp Leu Met Val Glu Asn Lys Lys Val Lys Phe Gly Met | 215 | 220 | 225 |
| Asn Val Thr Ser Ser Glu Lys Val Asp Lys Ala Gln Arg Tyr Ala | 230 | 235 | 240 |
| Asp Phe Thr Leu Leu Ser Ile Pro Tyr Pro Gly Cys Glu Phe Phe | 245 | 250 | 255 |
| Lys Glu Tyr Lys Asp Arg Asp Tyr Met Ala Glu Gly Leu Ile Phe | 260 | 265 | 270 |
| Asn Trp Lys Gln Asp Tyr Val Asp Ala Pro Leu Ser Ile Pro Asp | 275 | 280 | 285 |
| Phe Leu Thr His Ser Leu Asn Ile Asp Trp Ser Gln Tyr Gln Cys | 290 | 295 | 300 |
| Trp Asp Leu Val Gln Gln Thr Gln Asn Tyr Leu Lys Leu Leu Leu | 305 | 310 | 315 |
| Ser Leu Val Asn Ser Asp Asp Asp Ser Gly Leu Leu Val His Cys | 320 | 325 | 330 |
| Leu Ser Leu Trp Ala Asp Gly Leu Ile His Thr Ser Leu Lys Pro | 335 | 340 | 345 |
| Gly His Met Leu Val Asp Arg Leu Ser Lys Gly Glu Glu Ile Phe | 350 | 355 | 360 |
| Phe Phe Cys Phe Asn Phe Leu Lys His Ile Thr Ser Glu Glu Ile | 365 | 370 | 375 |
| Ser Ala Leu Lys Thr Gln Arg Arg Lys Ser Leu Pro Ala Arg Asp | 380 | 385 | 390 |
| Gly Gly Phe Thr Leu Glu Asp Ile Cys Met Leu Arg Arg Lys Asp | 395 | 400 | 405 |
| Arg Gly Ser Thr Thr Ser Leu Gly Ser Asp Phe Ser Leu Val Met | 410 | 415 | 420 |
| | 425 | 430 | 435 |

| | | | | | |
|-----------------|---------------------|-------------------------|-----|--|-----|
| | 440 | | 445 | | 450 |
| Glu Ser Ser Pro | Gly Ala Thr Gly Ser | Phe Thr Tyr Glu Ala Val | | | |
| | 455 | | 460 | | 465 |
| Glu Leu Val Pro | Ala Gly Ala Pro Thr | Gln Ala Ala Trp Leu Ala | | | |
| | 470 | | 475 | | 480 |
| Ala Leu Ser Asp | Arg Glu Thr Arg Leu | Gln Glu Val Arg Ser Ala | | | |
| | 485 | | 490 | | 495 |
| Phe Leu Ala Ala | Tyr Ser Ser Thr Val | Gly Leu Arg Ala Val Ala | | | |
| | 500 | | 505 | | 510 |
| Pro Ser Pro Ser | Gly Ala Ile Gly Gly | Leu Leu Glu Gln Phe Ala | | | |
| | 515 | | 520 | | 525 |
| Arg Gly Val Gly | Leu Arg Ser Ile Ser | Ser Asn Ala Leu | | | |
| | 530 | | 535 | | |

<210> 93
 <211> 58
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2831245

| | |
|---|--|
| <400> 93 | |
| Met Glu Met Lys Gly Ser Arg Val Trp Leu Leu Leu Leu Phe Met | |
| 1 5 10 15 | |
| Trp Lys Ala Arg Pro Thr Phe Phe Gln Ser Cys Val Val Pro Phe | |
| 20 25 30 | |
| Ile Leu Ser Pro Gln Asn Cys Val Gln Thr His Ser Leu Gly Pro | |
| 35 40 45 | |
| Gly Val Trp Leu Gly Val Phe Pro Ser Gly Ser Leu His | |
| 50 55 | |

<210> 94
 <211> 119
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2831245

| | |
|---|--|
| <400> 94 | |
| Met Lys Val Leu Ile Ser Ser Leu Leu Leu Leu Pro Leu Met | |
| 1 5 10 15 | |
| Leu Met Ser Met Val Ser Ser Ser Leu Asn Pro Gly Val Ala Arg | |
| 20 25 30 | |
| Gly His Val Val Val Gln Val Ser Ser Val Val Val Val Val | |
| 35 40 45 | |
| Gly Gly Gln Glu Cys Glu Cys Lys Asp Trp Phe Leu Arg Ala Pro | |
| 50 55 60 | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Arg | Arg | Lys | Phe | Met | Thr | Val | Ser | Gly | Leu | Pro | Lys | Lys | Gln | Cys | |
| | | | | 65 | | | | | 70 | | | | | 75 | |
| Pro | Cys | Asp | His | Phe | Lys | Gly | Asn | Val | Lys | Lys | Thr | Arg | His | Gln | |
| | | | | 80 | | | | | 85 | | | | | 90 | |
| Arg | His | His | Arg | Lys | Pro | Asn | Lys | His | Ser | Arg | Ala | Cys | Gln | Gln | |
| | | | | 95 | | | | | 100 | | | | | 105 | |
| Phe | Leu | Lys | Gln | Cys | Gln | Leu | Arg | Ser | Phe | Ala | Leu | Pro | Leu | | |
| | | | | 110 | | | | | 115 | | | | | | |

<210> 95
 <211> 128
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3129630

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Ala | Tyr | Ser | Thr | Val | Gln | Arg | Val | Ala | Leu | Ala | Ser | Gly | Leu | |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Val | Leu | Ala | Leu | Ser | Leu | Leu | Leu | Pro | Lys | Ala | Phe | Leu | Ser | Arg | |
| | | | | 20 | | | | | 25 | | | | | 30 | |
| Gly | Lys | Arg | Gln | Glu | Pro | Pro | Pro | Thr | Pro | Glu | Gly | Lys | Leu | Gly | |
| | | | | 35 | | | | | 40 | | | | | 45 | |
| Arg | Phe | Pro | Pro | Met | Met | His | His | His | Gln | Ala | Pro | Ser | Asp | Gly | |
| | | | | 50 | | | | | 55 | | | | | 60 | |
| Gln | Thr | Pro | Gly | Ala | Arg | Phe | Gln | Arg | Ser | His | Leu | Ala | Glu | Ala | |
| | | | | 65 | | | | | 70 | | | | | 75 | |
| Phe | Ala | Lys | Ala | Lys | Gly | Ser | Gly | Gly | Gly | Ala | Gly | Gly | Gly | Gly | |
| | | | | 80 | | | | | 85 | | | | | 90 | |
| Ser | Gly | Arg | Gly | Leu | Met | Gly | Gln | Ile | Ile | Pro | Ile | Tyr | Gly | Phe | |
| | | | | 95 | | | | | 100 | | | | | 105 | |
| Gly | Ile | Phe | Leu | Tyr | Ile | Leu | Tyr | Ile | Leu | Phe | Lys | Val | Ser | Arg | |
| | | | | 110 | | | | | 115 | | | | | 120 | |
| Ile | Ile | Leu | Ile | Ile | Leu | His | Gln | | | | | | | | |
| | | | | 125 | | | | | | | | | | | |

<210> 96
 <211> 124
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 007632

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Tyr | Lys | Leu | Ala | Ser | Cys | Cys | Leu | Leu | Phe | Ile | Gly | Phe | Leu | |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Asn | Pro | Leu | Leu | Ser | Leu | Pro | Leu | Leu | Asp | Ser | Arg | Glu | Ile | Ser | |

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| | 20 | | 25 | | 30 |
| Phe | Gln | Leu | Ser | Ala | Pro |
| | 35 | | 40 | | 45 |
| Glu | Leu | Glu | Arg | Ala | Ser |
| | 50 | | 55 | | 60 |
| Gly | Ala | Glu | Arg | Gly | Asp |
| | 65 | | 70 | | 75 |
| Asn | Ile | Phe | Asn | Pro | Arg |
| | 80 | | 85 | | 90 |
| Ser | Gly | Gln | Asp | Pro | Asn |
| | 95 | | 100 | | 105 |
| Ile | Trp | Lys | Pro | Tyr | Lys |
| | 110 | | 115 | | 120 |
| Lys | Tyr | Cys | Val | | |

<210> 97
 <211> 182
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1236968

<400> 97
 Met Trp Pro Leu Ser Ser Asp Ser Ser Trp Ser Leu Trp Ile Ser
 1 5 10 15
 Thr Gly Met Ala Pro Ala Pro Ser Ser Ser Thr Arg Ser Phe Ser
 20 25 30
 Glu Ser Leu Lys Gln Lys Leu Val Arg Val Leu Glu Glu Asn Leu
 35 40 45
 Ile Leu Ser Glu Lys Ile Gln Gln Leu Glu Glu Gly Ala Ala Ile
 50 55 60
 Ser Ile Val Ser Gly Gln Gln Ser His Thr Tyr Asp Asp Leu Leu
 65 70 75
 His Lys Asn Gln Gln Leu Thr Met Gln Val Ala Cys Leu Asn Gln
 80 85 90
 Glu Leu Ala Gln Leu Lys Lys Leu Glu Lys Thr Val Ala Ile Leu
 95 100 105
 Gln Gln Ser Gln Arg Ser Ser Val Val Val Val Val Val Val Val Val
 110 115 120
 Gln Gln Leu Asn Lys Glu Pro Lys Gly Tyr Ser Gly Lys Ala Leu
 125 130 135
 Pro Gln Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser
 140 145 150
 Gly Lys Ser Thr Leu Ser Ser Ser Ser Pro Val Ala His Glu Thr
 155 160 165
 Gly Gln Tyr Leu Ile Gln Ser Val Leu Asp Ala Ala Pro Glu Pro
 170 175 180
 Gly Leu

<210> 98
 <211> 237
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1334153

<400> 98
 Met Lys Gly Ile Leu Val Ala Gly Ile Thr Ala Val Leu Val Ala
 1 5 10 15
 Ala Val Glu Ser Leu Ser Cys Val Pro Cys Asn Ser Trp Glu Lys
 20 25 30
 Ser Cys Val Asn Ser Ile Ala Ser Glu Cys Pro Ser His Ala Asn
 35 40 45
 Thr Ser Cys Ile Ser Ser Ser Ala Ser Ser Ser Leu Glu Thr Pro
 50 55 60
 Val Arg Leu Tyr Gln Asn Met Phe Cys Ser Ala Glu Asn Cys Ser
 65 70 75
 Glu Glu Thr His Ile Thr Ala Phe Thr Val His Val Ser Ala Glu
 80 85 90
 Glu His Phe His Phe Val Ser Gln Cys Cys Gln Gly Lys Glu Cys
 95 100 105
 Ser Asn Thr Ser Asp Ala Leu Asp Pro Pro Leu Lys Asn Val Ser
 110 115 120
 Ser Asn Ala Glu Cys Pro Ala Cys Tyr Glu Ser Asn Gly Thr Ser
 125 130 135
 Cys Arg Gly Lys Pro Trp Lys Cys Tyr Glu Glu Glu Gln Cys Val
 140 145 150
 Phe Leu Val Ala Glu Leu Lys Asn Asp Ile Glu Ser Lys Ser Leu
 155 160 165
 Val Leu Lys Gly Cys Ser Asn Val Ser Asn Ala Thr Cys Gln Phe
 170 175 180
 Leu Ser Gly Glu Asn Lys Thr Leu Gly Gly Val Ile Phe Arg Lys
 185 190 195
 Phe Glu Cys Ala Asn Val Asn Ser Leu Thr Pro Thr Ser Ala Pro
 200 205 210
 Thr Thr Ser His Asn Val Gly Ser Lys Ala Ser Leu Tyr Leu Leu
 215 220 225
 Ala Leu Ala Ser Leu Leu Leu Arg Gly Leu Leu Pro
 230 235

<211> 160
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1390975

<400> 99
 Met Arg Pro Gly Pro Met Leu Gln Ala Arg Val Ser Ile Pro Ala

| | | | |
|---------------------|---|-----|-----|
| 1 | 5 | 10 | 15 |
| Ala Leu Gly Thr | Leu Phe Pro Arg Pro Gly Trp Ala Pro Gly Glu | | |
| | 20 | 25 | 30 |
| Val Ser Ser Glu Ile | Ser Ser Arg Asp Leu Leu Asn Pro His Pro | | |
| | 35 | 40 | 45 |
| Ser Thr Pro Ser Cys | Cys Ser Gln Ser Trp Ser Pro Met Ser Val | | |
| | 50 | 55 | 60 |
| Leu Glu Pro Asp Ser | Arg Gly Pro Pro Pro Ile Ser Leu Thr His | | |
| | 65 | 70 | 75 |
| Thr Gly Ile His Thr | Pro Gln Lys Thr Ser Gln Met Arg Pro Asp | | |
| | 80 | 85 | 90 |
| Ser Gly Ser Arg Gly | Met Cys Phe Cys Pro Cys Lys Gly Phe Gly | | |
| | 95 | 100 | 105 |
| Glu Gly Gly Asn Ile | Val Glu Ala Gly Lys Ser Pro Gln Thr Cys | | |
| | 110 | 115 | 120 |
| Ala His Ala Pro Pro | Ala Leu Arg Phe His Ser Ala Phe Ser Glu | | |
| | 125 | 130 | 135 |
| Cys Pro Cys Cys Thr | Gln Thr Thr Gly Gln Glu Arg Pro Ser Leu | | |
| | 140 | 145 | 150 |
| Pro Leu Gln Pro Leu | Ser Leu Pro Phe Asn | | |
| | 155 | 160 | |

<210> 100

<211> 148

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1501749

<400> 100

| | | |
|---------------------|---|-----|
| Met Ala Ala Ser | Pro Ala Arg Pro Ala Val Leu Ala Leu Thr Gly | |
| 1 | 5 | 10 |
| Leu Ala Leu Leu Leu | Leu Leu Cys Trp Gly Pro Gly Gly Ile Ser | |
| | 20 | 25 |
| Gly Asn Lys Leu Lys | Leu Met Leu Gln Lys Arg Glu Ala Pro Val | |
| | 35 | 40 |
| Pro Thr Lys Thr Lys | Ala Val Asp Gly Asn Lys Ala Lys Gln | |
| | 50 | 55 |
| Phe Leu Gly Ser Leu | Lys Arg Gln Lys Arg Gln Leu Trp Asp Arg | |
| | 65 | 70 |
| Thr Arg Pro Glu Val | Gln Gln Trp Tyr Gln Gln Phe Leu Tyr Met | |
| | | |
| Gly Phe Asp Glu Ala | Lys Phe Glu Asp Asp Ile Thr Tyr Trp Leu | |
| | 95 | 100 |
| Asn Arg Asp Arg Asn | Gly His Glu Tyr Tyr Gly Asp Tyr Tyr Gln | |
| | 110 | 115 |
| Arg His Tyr Asp Glu | Asp Ser Ala Ile Gly Pro Arg Ser Pro Tyr | |
| | 125 | 130 |
| Gly Phe Arg His Gly | Ala Ser Val Asn Tyr Asp Asp Tyr | |
| | 140 | 145 |

<210> 101
 <211> 170
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1575240

<400> 101
 Met Thr Pro Thr Lys Arg Glu Pro Pro Ala Ala Pro Leu Leu Leu
 1 5 10 15
 Arg Val Leu Pro Gln Leu Ser Ala Met Ser Leu Arg Leu Ser Thr
 20 25 30
 Arg Arg Glu Asp Met Ile Gly Gln Thr Ser Gly Met Cys Ser Phe
 35 40 45
 Cys Ser Phe Gln Asn Met Arg Gly Glu Ser Ile Trp Leu Leu Cys
 50 55 60
 Leu Glu Glu Glu Gly Ala Gly Leu Cys Gln Asn Ser Leu Asp Lys
 65 70 75
 Arg Phe Ser Gln Lys Glu Gly Cys Ser Asp Asp Lys Ser Pro Leu
 80 85 90
 His His Phe Pro Trp Leu Ser Asp Ala Pro Pro Ser Ser His Ala
 95 100 105
 Arg Thr Ser Glu Ile Arg Leu Pro Pro Asp Ile Thr Gln Pro Cys
 110 115 120
 Leu Thr Lys Arg Gln Trp Phe Ile Pro Ser Leu Gly Glu Lys Arg
 125 130 135
 Gly Asn Ala Lys Leu Leu His Gln Leu Leu Ile Leu Leu Pro Ala
 140 145 150
 Arg Asn Pro Gly Tyr Leu Gln Val Ser Leu Pro Leu Val Trp Ser
 155 160 165
 Trp Leu Ser Leu Phe
 170

<210> 102
 <211> 150
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature

<400> 102
 Met Gly Ala Ala Ala Trp Ala Arg Pro Leu Ser Val Ser Phe Leu
 1 5 10 15
 Leu Leu Leu Leu Pro Leu Pro Gly Met Pro Ala Gly Ser Trp Asp
 20 25 30
 Pro Ala Gly Tyr Leu Leu Tyr Gln Ile Cys Ile Gly Ile Val Ser
 35 40 45
 Gln Ala Leu Cys Ser Asp Gly Glu Thr Glu Ala Gly Arg Gly Lys
 50 55 60

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Thr | Pro | Gln | Met | Arg | Pro | Glu | Thr | Pro | Ser | Gln | Val | Gln | Glu |
| | | | | 65 | | | | | | 70 | | | | 75 |
| Arg | Thr | Ser | Glu | Arg | Asp | Gly | Ala | Cys | Ser | Ser | Pro | Leu | Cys | Leu |
| | | | | 80 | | | | | 85 | | | | | 90 |
| Ser | Cys | Lys | Gly | Thr | Glu | Gly | Pro | Thr | Cys | Pro | Thr | Phe | His | Leu |
| | | | | 95 | | | | | 100 | | | | | 105 |
| Thr | Asp | Glu | Lys | Thr | Glu | Ala | Gly | Arg | Gly | Tyr | Val | Thr | Cys | Leu |
| | | | | 110 | | | | | 115 | | | | | 120 |
| Arg | Ser | Lys | Pro | Val | Gln | Gly | Pro | Val | Asn | Gly | Val | Ser | Gly | Ala |
| | | | | 125 | | | | | 130 | | | | | 135 |
| Gly | Leu | Asp | Val | Thr | Asp | Pro | Arg | Trp | Leu | Leu | Val | Ile | Phe | His |
| | | | | 140 | | | | | 145 | | | | | 150 |

<210> 103

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1661144

<400> 103

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Gly | Cys | Leu | Val | Trp | Gly | Pro | Ser | Trp | Pro | Pro | Leu | Ser | Leu |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Leu | Ala | Ser | Leu | Leu | His | Ser | Gly | Ile | Ala | Gly | Arg | Cys | Leu | Leu |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Cys | Leu | Phe | Lys | Gly | Leu | Ala | Ala | Ala | Ala | Ser | Leu | Gln | Ile | Arg |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Asp | Leu | Ala | Ser | Arg | Leu | Thr | Thr | Gly | Pro | Arg | Thr | Cys | Arg | Val |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Gln | Pro | Pro | Pro | His | Pro | Gln | Ser | Ser | Pro | Pro | Trp | Pro | Gly | Pro |
| | | | | 65 | | | | | 70 | | | | | 75 |
| Pro | Gly | Ala | Glu | Thr | Cys | Arg | Pro | Leu | Ser | Arg | Thr | Val | Gly | Gly |
| | | | | 80 | | | | | 85 | | | | | 90 |
| Val | Cys | Pro | Ser | Asp | Trp | Pro | Val | Ser | Trp | Leu | Leu | Leu | Pro | Pro |
| | | | | 95 | | | | | 100 | | | | | 105 |
| Leu | Pro | Glu | Val | Val | Thr | Cys | Ser | Cys | Pro | Arg | Ile | Lys | Ala | Arg |
| | | | | 110 | | | | | 115 | | | | | 120 |
| Leu | Pro | Arg | Thr | Leu | Glu | Pro | Leu | Gly | Pro | Arg | Leu | Leu | Leu | Gly |
| | | | | 125 | | | | | 130 | | | | | 135 |
| Lys | His | Ser | Gln | Leu | Val | Ala | | | | | | | | |
| | | | | 140 | | | | | | | | | | |

<210> 103

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1685409

<400> 104

```

Met Glu Thr Gly Arg Leu Leu Ser Leu Ser Ser Leu Pro Leu Val
  1          5          10          15
Leu Leu Gly Trp Glu Tyr Ser Ser Gln Thr Leu Asn Leu Val Pro
          20          25          30
Ser Thr Ser Ile Leu Ser Phe Val Pro Phe Ile Pro Leu His Leu
          35          40          45
Val Leu Phe Ala Leu Trp Tyr Leu Pro Val Pro His His Leu Tyr
          50          55          60
Pro Gln Gly Leu Gly Asp His Ala Ala Glu Ala Glu Lys Gly Lys
          65          70          75
Arg Glu Glu Gly Gly Thr Gln Val Ala Leu Trp Leu Arg Val Gln
          80          85          90
Pro Ser Cys Pro Ser Pro Val Cys Leu Glu Pro Val Pro Pro Arg
          95          100          105
Ser Arg Phe Leu Leu
          110

```

<210> 105

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1731419

<400> 105

```

Met Ser Arg Ala Gly Met Leu Gly Val Val Cys Ala Leu Leu Val
  1          5          10          15
Trp Ala Tyr Leu Ala Val Gly Lys Leu Val Val Arg Met Thr Phe
          20          25          30
Thr Glu Leu Cys Thr His His Pro Trp Ser Leu Arg Cys Glu Ser
          35          40          45
Phe Cys Arg Ser Arg Val Thr Ala Cys Leu Pro Ala Pro Ala Pro
          50          55          60
Trp Leu Arg Pro Phe Leu Cys Pro Met Leu Phe Ser Asp Arg Asn
          65          70          75
Pro Val Glu Cys His Leu Phe Gly Glu Ala Val Ser Asp Pro Val
          80          85          90
Cys Lys Gly Leu Leu Pro His Tyr Phe Trp His Pro Thr Phe Phe
          95          100          105
Pro Val Lys Ala Asn Cys Leu Val Ser Phe Cys Pro Thr Thr Val
          110          115          120

```

<210> 10

<211> 135

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2650265

<400> 106

```

Met Ala Arg Phe Trp Val Cys Val Ala Gly Ala Gly Phe Phe Leu
  1              5              10              15
Ala Phe Leu Val Leu His Ser Arg Phe Cys Gly Ser Pro Val Leu
              20              25              30
Arg Asn Phe Thr Phe Ala Val Ser Trp Arg Thr Glu Lys Ile Leu
              35              40              45
Tyr Arg Leu Asp Val Gly Trp Pro Lys His Pro Glu Tyr Phe Thr
              50              55              60
Gly Thr Thr Phe Cys Val Ala Val Asp Ser Leu Asn Gly Leu Val
              65              70              75
Tyr Ile Gly Gln Arg Gly Asp Asn Ile Pro Lys Ile Leu Val Phe
              80              85              90
Thr Glu Asp Gly Tyr Phe Leu Arg Ala Trp Asn Tyr Thr Val Asp
              95              100             105
Thr Pro His Gly Ile Phe Ala Ala Ser Thr Leu Tyr Glu Gln Ser
              110             115             120
Val Trp Ile Thr Asp Val Gly Ser Gly Met Tyr Ser Asn Ile Tyr
              125             130             135

```

<210> 107

<211> 301

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2677129

<400> 107

```

Met Leu Met Ile Ile Ile Ile Glu Pro Phe Ser Val Leu Ile Leu
  1              5              10              15
Phe Lys Ser Gly Ile Leu Ala Asp Phe Phe Ala Leu Leu Leu Leu
              20              25              30
Ile Asn Phe Phe Leu Val Ser Phe Phe Leu Ala Tyr Pro Leu Phe
              35              40              45
Asn Asn Gln Ile Asn Ser Arg Ser Met Asn Glu Ile Lys Asn Leu
              50              55              60
Gln Tyr Leu Pro Arg Thr Ser Glu Pro Arg Glu Val Leu Phe Glu
              65
Asp Arg Thr Arg Ala His Ala Asp His Val Gly Gln Gly Phe Asp
              80              85              90
Trp Gln Ser Thr Ala Ala Val Gly Val Leu Lys Ala Val Gln Phe
              95              100             105
Gly Glu Trp Ser Asp Gln Pro Arg Ile Thr Lys Asp Val Ile Cys
              110             115             120
Val Val Val Val Val Val Val Val Val Val Val Val Val Val
              125             130             135
Asp Leu His Glu Pro Pro Val Ser Gln Cys Val Gln Trp Val Asp
              140             145             150

```


| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Glu | Ala | Lys | Leu | Asn | Gln | Met | Arg | Arg | Glu | Gly | Ile | Arg | Tyr | Ala | |
| | | | | 155 | | | | | 160 | | | | | 165 | |
| Arg | Ile | Gln | Leu | Cys | Asp | Asn | Asp | Ile | Tyr | Phe | Ile | Pro | Arg | Asn | |
| | | | | 170 | | | | | 175 | | | | | 180 | |
| Val | Ile | His | Gln | Phe | Lys | Thr | Val | Ser | Ala | Val | Cys | Ser | Leu | Ala | |
| | | | | 185 | | | | | 190 | | | | | 195 | |
| Trp | His | Ile | Arg | Leu | Lys | Gln | Tyr | His | Pro | Val | Val | Glu | Ala | Thr | |
| | | | | 200 | | | | | 205 | | | | | 210 | |
| Gln | Asn | Thr | Glu | Ser | Asn | Ser | Asn | Met | Asp | Cys | Gly | Leu | Thr | Gly | |
| | | | | 215 | | | | | 220 | | | | | 225 | |
| Lys | Arg | Glu | Leu | Glu | Val | Asp | Ser | Gln | Cys | Val | Arg | Ile | Lys | Thr | |
| | | | | 230 | | | | | 235 | | | | | 240 | |
| Glu | Ser | Glu | Glu | Ala | Cys | Thr | Glu | Ile | Gln | Leu | Leu | Thr | Thr | Ala | |
| | | | | 245 | | | | | 250 | | | | | 255 | |
| Ser | Ser | Ser | Phe | Pro | Pro | Ala | Ser | Glu | Leu | Asn | Leu | Gln | Gln | Asp | |
| | | | | 260 | | | | | 265 | | | | | 270 | |
| Gln | Lys | Thr | Gln | Pro | Ile | Pro | Val | Leu | Lys | Val | Glu | Ser | Arg | Leu | |
| | | | | 275 | | | | | 280 | | | | | 285 | |
| Asp | Ser | Asp | Gln | Gln | His | Asn | Leu | Gln | Glu | His | Ser | Thr | Thr | Ser | |
| | | | | 290 | | | | | 295 | | | | | 300 | |

Val

<210> 108

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3151073

<400> 108

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Ser | Phe | Val | Pro | Gly | Leu | Leu | Leu | Cys | Phe | Val | Leu | Leu | Leu | |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Cys | Val | Ser | Pro | Val | Tyr | Leu | Pro | Ser | Arg | Ser | Pro | Ser | Thr | Phe | |
| | | | | 20 | | | | | 25 | | | | | 30 | |
| Pro | Ile | Ser | Glu | Pro | Leu | Ser | Phe | Ile | Gly | Met | Ser | Ala | Trp | Pro | |
| | | | | 35 | | | | | 40 | | | | | 45 | |
| Gln | Cys | Ser | Ile | Ile | Tyr | Ser | Gln | Thr | Phe | Gln | Leu | Ala | Thr | Glu | |
| | | | | 50 | | | | | 55 | | | | | 60 | |
| Pro | Ser | Ser | Phe | Pro | Lys | Arg | Arg | Tyr | Trp | Val | Cys | Thr | Leu | His | |
| | | | | 65 | | | | | 70 | | | | | 75 | |
| Glu | Ile | Lys | Trp | Glu | Cys | Pro | Arg | Ser | Arg | Arg | Thr | Ser | Asp | Ala | |
| | | | | | | | | | | | | | | | |
| Val | His | Ala | Asn | Lys | Leu | Gly | Leu | Pro | Leu | Lys | Ile | Ile | | | |
| | | | | 95 | | | | | 100 | | | | | | |

<210> 108

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3170095

<400> 109

```

Met Lys Phe Leu Leu Leu Val Leu Ala Ala Leu Gly Phe Leu Thr
  1              5              10              15
Gln Val Ile Pro Ala Ser Ala Gly Gly Ser Lys Cys Val Ser Asn
              20              25              30
Thr Pro Gly Tyr Cys Arg Thr Cys Cys His Trp Gly Glu Thr Ala
              35              40              45
Leu Phe Met Cys Asn Ala Ser Arg Lys Cys Cys Ile Ser Tyr Ser
              50              55              60
Phe Leu Pro Lys Pro Asp Leu Pro Gln Leu Ile Gly Asn His Trp
              65              70              75
Gln Ser Arg Arg Arg Asn Thr Gln Arg Lys Asp Lys Lys Gln Gln
              80              85              90
Thr Thr Val Thr Ser
              95

```

<210> 110

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3475168

<400> 110

```

Met Ser Pro Ser Pro Arg Trp Gly Phe Leu Cys Val Leu Phe Thr
  1              5              10              15
Ala Val His Pro Ala Pro Ser Thr Ala Pro Val Gln Asp Lys Cys
              20              25              30
Pro Val Asn Thr Trp Glu Ala Met Gln Ala Ser Ser Gln Gln Leu
              35              40              45
Leu Gln Thr Asp Pro Arg Pro Lys Pro Phe Leu Leu Pro Pro Leu
              50              55              60
Pro Pro Leu Leu Ile Ser Ala Gly Thr Glu Val Ser Ser Leu
              65              70              75
Val Phe Gln Lys Ser Pro Leu His Thr Gln Pro Glu Gly Ala Ile
              80              85              90
Iys Thr Ala Gly Gln Pro Thr Ser Val His Ser Lys Val Leu Ser
              1
Lys Gly Ser Leu Leu Leu Gly Glu
              110

```

<210> 111

<211> 234

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3836893

<400> 111

```

Met Arg Lys Thr Arg Leu Trp Gly Leu Leu Trp Met Leu Phe Val
 1              5              10              15
Ser Glu Leu Arg Ala Ala Thr Lys Leu Thr Glu Glu Lys Tyr Glu
              20              25              30
Leu Lys Glu Gly Gln Thr Leu Asp Val Lys Cys Asp Tyr Thr Leu
              35              40              45
Glu Lys Phe Ala Ser Ser Gln Lys Ala Trp Gln Ile Ile Arg Asp
              50              55              60
Gly Glu Met Pro Lys Thr Leu Ala Cys Thr Glu Arg Pro Ser Lys
              65              70              75
Asn Ser His Pro Val Gln Val Gly Arg Ile Ile Leu Glu Asp Tyr
              80              85              90
His Asp His Gly Leu Leu Arg Val Arg Met Val Asn Leu Gln Val
              95              100             105
Glu Asp Ser Gly Leu Tyr Gln Cys Val Ile Tyr Gln Pro Pro Lys
              110             115             120
Glu Pro His Met Leu Phe Asp Arg Ile Arg Leu Val Val Thr Lys
              125             130             135
Gly Phe Ser Gly Thr Pro Gly Ser Asn Glu Asn Ser Thr Gln Asn
              140             145             150
Val Tyr Lys Ile Pro Pro Thr Thr Thr Lys Ala Leu Cys Pro Leu
              155             160             165
Tyr Thr Ser Pro Arg Thr Val Thr Gln Ala Pro Pro Lys Ser Thr
              170             175             180
Ala Asp Val Ser Thr Pro Asp Ser Glu Ile Asn Leu Thr Asn Val
              185             190             195
Thr Asp Ile Ile Arg Val Pro Val Phe Asn Ile Val Ile Leu Leu
              200             205             210
Ala Gly Gly Phe Leu Ser Lys Ser Leu Val Phe Ser Val Leu Phe
              215             220             225
Ala Val Thr Leu Arg Ser Phe Val Pro
              230

```

<210> 112

<211> 112

<212> PRT

<213> Homo sapiens

<221> misc_feature

<223> Incyte Clone No: 4072159

<400> 112

```

Met Val Leu Pro Leu Pro Trp Leu Ser Arg Tyr His Phe Leu Arg
 1              5              10              15
Leu Ile Thr Cys Trp Ser Thr Ala Pro              20
Cys Cys Ser Gln Asn Pro Lys Ala Ser Met Glu Glu Gln Thr Asn
              35              40              45

```

```

Ser Arg Gly Asn Gly Lys Met Thr Ser Pro Pro Arg Gly Pro Gly
      50                      55                      60
Thr His Arg Thr Ala Glu Leu Ala Arg Ala Glu Glu Leu Leu Glu
      65                      70                      75
Gln Gln Leu Glu Leu Tyr Gln Ala Leu Leu Glu Gly Gln Glu Gly
      80                      85                      90
Ala Trp Glu Ala Gln Ala Leu Val Leu Lys Ile Gln Lys Leu Lys
      95                      100                     105
Glu Gln Met Arg Arg His Gln Glu Ser Leu Gly Gly Gly Ala
      110                     115

```

<210> 113

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1003916

<400> 113

```

Met Ala Ser Ser Leu Thr Cys Thr Gly Val Ile Trp Ala Leu Leu
  1                      5                      10                      15
Ser Phe Leu Cys Ala Ala Thr Ser Cys Val Gly Phe Phe Met Pro
      20                      25                      30
Tyr Trp Leu Trp Gly Ser Gln Leu Gly Lys Pro Val Ser Phe Gly
      35                      40                      45
Thr Phe Arg Arg Cys Ser Tyr Pro Val His Asp Glu Ser Arg Gln
      50                      55                      60
Met Met Val Met Val Glu Glu Cys Gly Arg Tyr Ala Ser Phe Gln
      65                      70                      75
Gly Ile Pro Ser Ala Glu Trp Arg Ile Cys Thr Ile Val Thr Gly
      80                      85                      90
Leu Gly Cys Gly Leu Leu Leu Leu Val Ala Leu Thr Ala Leu Met
      95                      100                     105
Gly Cys Cys Val Ser Asp Leu Ile Ser Arg Thr Val Gly Arg Val
      110                     115                     120
Ala Gly Gly Ile Gln Phe Leu Gly Gly Leu Leu Ile Gly Ala Gly
      125                     130                     135
Cys Ala Leu Tyr Ile Leu Gly Trp Arg Ser Glu Glu Val Arg Gln
      140                     145                     150
Thr Cys Gly Tyr Thr Ser Gly Gln Phe Asp Leu Gly Lys Cys Glu
      155                     160                     165
                      170                      175                      180
Met Leu Leu Cys Thr Trp Leu Ala Cys Phe Ser Gly Lys Lys Gln
      185                     190                     195
Lys His Tyr Pro Tyr
      200

```

<210> 114

<211> 225

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2093492

<400> 114

```

Met Gly Phe Arg Leu Glu Gly Ile Phe Pro Ala Ala Leu Leu Pro
 1          5          10          15
Leu Leu Leu Thr Met Ile Leu Phe Leu Gly Pro Leu Met Gln Leu
          20          25          30
Ser Met Asp Cys Pro Cys Asp Leu Ala Asp Gly Leu Lys Val Val
          35          40          45
Leu Ala Pro Arg Ser Trp Ala Arg Cys Leu Thr Asp Met Arg Trp
          50          55          60
Leu Arg Asn Gln Val Ile Ala Pro Leu Thr Glu Glu Leu Val Phe
          65          70          75
Arg Ala Cys Met Leu Pro Met Leu Ala Pro Cys Met Gly Leu Gly
          80          85          90
Pro Ala Val Phe Thr Cys Pro Leu Phe Phe Gly Val Ala His Phe
          95          100          105
His His Ile Ile Glu Gln Leu Arg Phe Arg Gln Ser Ser Val Gly
          110          115          120
Asn Ile Phe Leu Ser Ala Ala Phe Gln Phe Ser Tyr Thr Ala Val
          125          130          135
Phe Gly Ala Tyr Thr Ala Phe Leu Phe Ile Arg Thr Gly His Leu
          140          145          150
Ile Gly Pro Val Leu Cys His Ser Phe Cys Asn Tyr Met Gly Phe
          155          160          165
Pro Ala Val Cys Ala Ala Leu Glu His Pro Gln Arg Arg Pro Leu
          170          175          180
Leu Ala Gly Tyr Ala Leu Gly Val Gly Leu Phe Leu Leu Leu Leu
          185          190          195
Gln Pro Leu Thr Asp Pro Lys Leu Tyr Gly Ser Leu Pro Leu Cys
          200          205          210
Val Leu Leu Glu Arg Ala Gly Asp Ser Glu Ala Pro Leu Cys Ser
          215          220          225

```

<210> 115

<211> 155

<212> PPT

<220>

<221> misc_feature

<223> Incyte Clone No: 2108789

<400> 115

```

Pro Leu Met Trp Ala Cys Arg Pro Pro Gln Asp Glu Pro Ser Gly
 1          5          10          15
          20          25          30

```

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Thr | Asp | Pro | Pro | Pro | Pro | Arg | Leu | Gln | Pro | His | His | Val | Ser | Gly |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Leu | Gly | Leu | Gly | Gln | Ala | Trp | Ala | Gln | Ser | Trp | Ala | Pro | Arg | Gly |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Ser | Pro | Pro | Leu | Thr | Trp | Leu | Leu | Pro | Thr | Leu | Pro | Leu | Lys | Asp |
| | | | | 65 | | | | | 70 | | | | | 75 |
| Gly | Pro | Ala | Ala | Arg | Leu | Pro | Pro | Pro | Pro | His | Thr | Thr | Leu | Gly |
| | | | | 80 | | | | | 85 | | | | | 90 |
| Gly | Leu | Ser | His | Pro | Pro | Gln | Pro | Arg | Ser | Ala | Gln | Thr | Asp | Pro |
| | | | | 95 | | | | | 100 | | | | | 105 |
| His | Ser | Ile | Pro | Arg | Pro | Ala | Ala | Gln | Val | Arg | Gly | Pro | Val | Leu |
| | | | | 110 | | | | | 115 | | | | | 120 |
| Pro | Gly | Ala | Trp | Ala | Thr | Pro | Tyr | Ala | Ile | Ser | Ser | Glu | Gln | Pro |
| | | | | 125 | | | | | 130 | | | | | 135 |
| Gly | Pro | Thr | Asp | Pro | His | Ala | Leu | Ser | Tyr | Val | Pro | Phe | Ser | Pro |
| | | | | 140 | | | | | 145 | | | | | 150 |
| Asp | Phe | Phe | Cys | Thr | | | | | | | | | | |
| | | | | 155 | | | | | | | | | | |

<210> 116

<211> 468

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2171401

<400> 116

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Gly | Arg | Gly | Trp | Gly | Phe | Leu | Phe | Gly | Leu | Leu | Gly | Ala | Val |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Trp | Leu | Leu | Ser | Ser | Gly | His | Gly | Glu | Glu | Gln | Pro | Pro | Glu | Thr |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Ala | Ala | Gln | Arg | Cys | Phe | Cys | Gln | Val | Ser | Gly | Tyr | Leu | Asp | Asp |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Cys | Thr | Cys | Asp | Val | Glu | Thr | Ile | Asp | Arg | Phe | Asn | Asn | Tyr | Arg |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Leu | Phe | Pro | Arg | Leu | Gln | Lys | Leu | Leu | Glu | Ser | Asp | Tyr | Phe | Arg |
| | | | | 65 | | | | | 70 | | | | | 75 |
| Tyr | Tyr | Lys | Val | Asn | Leu | Lys | Arg | Ile | Cys | Ile | Ile | Trp | Asn | Asp |
| | | | | 80 | | | | | 85 | | | | | 90 |
| Ile | Ser | Gln | Cys | Gly | Arg | Arg | Asp | Cys | Ala | Val | Lys | Pro | Cys | Gln |
| | | | | 95 | | | | | 100 | | | | | 105 |
| | | | | 110 | | | | | 115 | | | | | 120 |
| Ser | Glu | Glu | Ala | Asn | Asn | Leu | Ile | Glu | Glu | Cys | Glu | Gln | Ala | Glu |
| | | | | 125 | | | | | 130 | | | | | 135 |
| Arg | Leu | Gly | Ala | Val | Asp | Glu | Ser | Leu | Ser | Glu | Glu | Thr | Gln | Lys |
| | | | | 140 | | | | | 145 | | | | | 150 |
| Ala | Val | Leu | Gln | Trp | Thr | Lys | His | Asp | Asp | Ser | Ser | Asp | Asn | Phe |
| | | | | 155 | | | | | 160 | | | | | 165 |
| Cys | Glu | Ala | Asp | Asp | Ile | Gln | Ser | Pro | Glu | Ala | Glu | Tyr | Val | Asp |
| | | | | 170 | | | | | 175 | | | | | 180 |
| Leu | Leu | Leu | Asn | Ile | Glu | Arg | Tyr | Thr | Gly | Tyr | Lys | Gly | Pro | Asp |

| | | |
|-------------------------------------|-------------------------|-----|
| 185 | 190 | 195 |
| Ala Trp Lys Ile Trp Asn Val Ile Tyr | Glu Glu Asn Cys Phe Lys | |
| 200 | 205 | 210 |
| Pro Gln Thr Ile Lys Arg Pro Leu Asn | Pro Leu Ala Ser Gly Gln | |
| 215 | 220 | 225 |
| Gly Thr Ser Glu Glu Asn Thr Phe Tyr | Ser Trp Leu Glu Gly Leu | |
| 230 | 235 | 240 |
| Cys Val Glu Lys Arg Ala Phe Tyr Arg | Leu Ile Ser Gly Leu His | |
| 245 | 250 | 255 |
| Ala Ser Ile Asn Val His Leu Ser Ala | Arg Tyr Leu Leu Gln Glu | |
| 260 | 265 | 270 |
| Thr Trp Leu Glu Lys Lys Trp Gly His | Asn Ile Thr Glu Phe Gln | |
| 275 | 280 | 285 |
| Gln Arg Phe Asp Gly Ile Leu Thr Glu | Gly Glu Gly Pro Arg Arg | |
| 290 | 295 | 300 |
| Leu Lys Asn Leu Tyr Phe Leu Tyr Leu | Ile Glu Leu Arg Ala Leu | |
| 305 | 310 | 315 |
| Ser Lys Val Leu Pro Phe Phe Glu Arg | Pro Asp Phe Gln Leu Phe | |
| 320 | 325 | 330 |
| Thr Gly Asn Lys Ile Gln Asp Glu Glu | Asn Lys Met Leu Leu Leu | |
| 335 | 340 | 345 |
| Glu Ile Leu His Glu Ile Lys Ser Phe | Pro Leu His Phe Asp Glu | |
| 350 | 355 | 360 |
| Asn Ser Phe Phe Ala Gly Asp Lys Lys | Glu Ala His Lys Leu Lys | |
| 365 | 370 | 375 |
| Glu Asp Phe Arg Leu His Phe Arg Asn | Ile Ser Arg Ile Met Asp | |
| 380 | 385 | 390 |
| Cys Val Gly Cys Phe Lys Cys Arg Leu | Trp Gly Lys Leu Gln Thr | |
| 395 | 400 | 405 |
| Gln Gly Leu Gly Thr Ala Leu Lys Ile | Leu Phe Ser Glu Lys Leu | |
| 410 | 415 | 420 |
| Ile Ala Asn Met Pro Glu Ser Gly Pro | Ser Tyr Glu Phe His Leu | |
| 425 | 430 | 435 |
| Thr Arg Gln Glu Ile Val Ser Leu Phe | Asn Ala Phe Gly Arg Ile | |
| 440 | 445 | 450 |
| Ser Thr Ser Val Lys Glu Leu Glu Asn | Phe Arg Asn Leu Leu Gln | |
| 455 | 460 | 465 |
| Asn Ile His | | |

<210> 111

<211> 403

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2212530

<400> 117

Met Ser Thr Ser Thr Ser Pro Ala Ala Met Leu Leu Arg Arg Leu

]

]

15

Arg Arg Leu Ser Trp Gly Ser Thr Ala Val Gln Leu Phe Ile Leu

20

25

30

Thr Val Val Thr Phe Gly Leu Leu Ala Pro Leu Ala Cys His Arg

| | | | |
|---|-----|-----|-----|
| | 35 | 40 | 45 |
| Leu Leu His Ser Tyr Phe Tyr Leu Arg His Trp His Leu Asn Gln | | | |
| | 50 | 55 | 60 |
| Met Ser Gln Glu Phe Leu Gln Gln Ser Leu Lys Glu Gly Glu Ala | | | |
| | 65 | 70 | 75 |
| Ala Leu His Tyr Phe Glu Glu Leu Pro Ser Ala Asn Gly Ser Val | | | |
| | 80 | 85 | 90 |
| Pro Ile Val Trp Gln Ala Thr Pro Arg Pro Trp Leu Val Ile Thr | | | |
| | 95 | 100 | 105 |
| Ile Ile Thr Val Asp Arg Gln Pro Gly Phe His Tyr Val Leu Gln | | | |
| | 110 | 115 | 120 |
| Val Val Ser Gln Phe His Arg Leu Leu Gln Gln Cys Gly Pro Gln | | | |
| | 125 | 130 | 135 |
| Cys Glu Gly His Gln Leu Phe Leu Cys Asn Val Glu Arg Ser Val | | | |
| | 140 | 145 | 150 |
| Ser His Phe Asp Ala Lys Leu Leu Ser Lys Tyr Val Pro Val Ala | | | |
| | 155 | 160 | 165 |
| Asn Arg Tyr Glu Gly Thr Glu Asp Asp Tyr Gly Asp Asp Pro Ser | | | |
| | 170 | 175 | 180 |
| Thr Asn Ser Phe Glu Lys Glu Lys Gln Asp Tyr Val Tyr Cys Leu | | | |
| | 185 | 190 | 195 |
| Glu Ser Ser Leu Gln Thr Tyr Asn Pro Asp Tyr Val Leu Met Val | | | |
| | 200 | 205 | 210 |
| Glu Asp Asp Ala Val Pro Glu Glu Gln Ile Phe Pro Val Leu Glu | | | |
| | 215 | 220 | 225 |
| His Leu Leu Arg Ala Arg Phe Ser Glu Pro His Leu Arg Asp Ala | | | |
| | 230 | 235 | 240 |
| Leu Tyr Leu Lys Leu Tyr His Pro Glu Arg Leu Gln His Tyr Ile | | | |
| | 245 | 250 | 255 |
| Asn Pro Glu Pro Met Arg Ile Leu Glu Trp Val Gly Val Gly Met | | | |
| | 260 | 265 | 270 |
| Leu Leu Gly Pro Leu Leu Thr Trp Ile Tyr Met Arg Phe Ala Ser | | | |
| | 275 | 280 | 285 |
| Arg Pro Gly Phe Ser Trp Pro Val Met Leu Phe Phe Ser Leu Tyr | | | |
| | 290 | 295 | 300 |
| Ser Met Gly Leu Val Glu Leu Val Gly Arg His Tyr Phe Leu Glu | | | |
| | 305 | 310 | 315 |
| Leu Arg Arg Leu Ser Pro Ser Leu Tyr Ser Val Val Pro Ala Ser | | | |
| | 320 | 325 | 330 |
| Gln Cys Cys Thr Pro Ala Met Leu Phe Pro Ala Pro Ala Ala Arg | | | |
| | 335 | 340 | 345 |
| Arg Thr Leu Thr Tyr Leu Ser Gln Val Thr Cys His Ile Gly Phe | | | |
| | 350 | 355 | 360 |
| Gly Lys Asp Met Ala Leu Tyr Ser Leu Leu Arg Ala Lys Gly Glu | | | |
| | 365 | 370 | 375 |
| Arg Ala Tyr Val Val Glu Pro Asn Leu Val Lys His Ile Gly Leu | | | |
| | | | |
| Phe Ser Ser Leu Arg Tyr Asn Phe His Pro Ser Leu Leu | | | |
| | 395 | 400 | |

<211> 131
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2253036

<400> 118

```

Met Glu Arg Cys Phe His Cys Phe Pro Val His Leu Val Phe Asn
  1              5              10              15
Leu Val Gln Ser Phe Ser Pro Ile Ser Gly Val Glu Ser Cys Leu
              20              25              30
Leu Pro Gln Cys Asp Lys Cys Trp Pro Met Val Tyr Arg Ser Cys
              35              40              45
Asp Ala Ser Arg Gly Leu Val Asn Ala Cys Ile Leu Gly Phe Val
              50              55              60
Leu Leu Glu Cys Ser Phe Val Gly Ala Leu Asn Asn Tyr Val Arg
              65              70              75
Ser Leu Ala Thr Leu Leu Glu Arg Thr His Gly Gly Lys Arg Leu
              80              85              90
Lys Leu Cys Glu Glu Ser Gln Ala Ser His Pro Ser Phe Ser Ala
              95              100             105
Glu Pro Arg His Gln Pro Thr Cys Gln Leu Asn Ala Thr Val Arg
              110             115             120
Val Ile Thr Ser Lys Ile Thr Arg Lys Thr Thr
              125             130

```

<210> 119

<211> 556

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2280161

<400> 119

```

Met Ala Ala Ala Ala Trp Leu Gln Val Leu Pro Val Ile Leu Leu
  1              5              10              15
Leu Leu Gly Ala His Pro Ser Pro Leu Ser Phe Phe Ser Ala Gly
              20              25              30
Pro Ala Thr Val Ala Ala Ala Asp Asn Ser Lys Trp His Ile Pro
              35              40              45
Ile Pro Ser Gly Lys Asn Tyr Phe Ser Phe Gly Lys Ile Leu Phe
              50              55              60
Arg Asn Thr Thr Ile Phe Leu Lys Phe Asp Gly Glu Pro Cys Asp
              65              70              75
Leu Ser Leu Asn Ile Thr Trp Tyr Leu Lys Ser Ala Asp Cys Tyr
              80              85              90
Asn Glu Ile Tyr Asn Phe Lys Ala Glu Glu Val Glu Leu Tyr Leu
              95              100             105
Glu Lys Leu Lys Glu Lys Arg Gly Leu Ser Gly Lys Tyr Gln Thr
              110             115             120
Leu Pro Lys Ile Gln Asn Cys Ser Glu Lys Ile Lys Glu
              125             130             135
Thr Phe Ser Gly Asp Phe Met His Arg Leu Pro Leu Leu Gly Glu
              140             145             150

```

| | | | | |
|-----------------|---|-----|-----|-----|
| Lys Gln Glu Ala | Lys Glu Asn Gly Thr Asn Leu Thr Phe Ile Gly | 155 | 160 | 165 |
| Asp Lys Thr Ala | Met His Glu Pro Leu Gln Thr Trp Gln Asp Ala | 170 | 175 | 180 |
| Pro Tyr Ile Phe | Ile Val His Ile Gly Ile Ser Ser Ser Lys Glu | 185 | 190 | 195 |
| Ser Ser Lys Glu | Asn Ser Leu Ser Asn Leu Phe Thr Met Thr Val | 200 | 205 | 210 |
| Glu Val Lys Gly | Pro Tyr Glu Tyr Leu Thr Leu Glu Asp Tyr Pro | 215 | 220 | 225 |
| Leu Met Ile Phe | Phe Met Val Met Cys Ile Val Tyr Val Leu Phe | 230 | 235 | 240 |
| Gly Val Leu Trp | Leu Ala Trp Ser Ala Cys Tyr Trp Arg Asp Leu | 245 | 250 | 255 |
| Leu Arg Ile Gln | Phe Trp Ile Gly Ala Val Ile Phe Leu Gly Met | 260 | 265 | 270 |
| Leu Glu Lys Ala | Val Phe Tyr Ala Glu Phe Gln Asn Ile Arg Tyr | 275 | 280 | 285 |
| Lys Gly Glu Ser | Val Gln Gly Ala Leu Ile Leu Ala Glu Leu Leu | 290 | 295 | 300 |
| Ser Ala Val Lys | Arg Ser Leu Ala Arg Thr Leu Val Ile Ile Val | 305 | 310 | 315 |
| Ser Leu Gly Tyr | Gly Ile Val Lys Pro Arg Leu Gly Val Thr Leu | 320 | 325 | 330 |
| His Lys Val Val | Val Ala Gly Ala Leu Tyr Leu Leu Phe Ser Gly | 335 | 340 | 345 |
| Met Glu Gly Val | Leu Arg Val Thr Gly Tyr Phe Ser Tyr Pro Leu | 350 | 355 | 360 |
| Thr Leu Ile Val | Asn Leu Ala Leu Ser Ala Val Asp Ala Cys Val | 365 | 370 | 375 |
| Ile Leu Trp Ile | Phe Ile Ser Leu Thr Gln Thr Met Lys Leu Leu | 380 | 385 | 390 |
| Lys Leu Arg Arg | Asn Ile Val Lys Leu Ser Leu Tyr Arg His Phe | 395 | 400 | 405 |
| Thr Asn Thr Leu | Ile Leu Ala Val Ala Ser Ile Val Phe Ile | 410 | 415 | 420 |
| Ile Trp Thr Thr | Met Lys Phe Arg Ile Val Thr Cys Gln Ser Asp | 425 | 430 | 435 |
| Trp Arg Glu Leu | Trp Val Asp Asp Ala Ile Trp Arg Leu Leu Phe | 440 | 445 | 450 |
| Ser Met Ile Leu | Phe Val Ile Met Val Leu Trp Arg Pro Ser Ala | 455 | 460 | 465 |
| Asn Asn Glu Arg | Phe Asn Thr Ser Phe Asn Ser Glu Glu Glu Glu | 470 | 475 | 480 |
| Glu Asp Glu Gln | Lys Glu Pro Met Leu Lys Glu Ser Phe Glu Gly | 485 | 490 | 495 |
| | | 500 | 505 | 510 |
| Val Asn Lys Ala | Gln Glu Asp Asp Leu Lys Trp Val Glu Glu Asn | 515 | 520 | 525 |
| Val Pro Ser Ser | Val Thr Asp Val Ala Leu Pro Ala Leu Leu Asp | 530 | 535 | 540 |
| Ser Asp Glu Glu | Arg Met Ile Thr His Phe Glu Arg Ser Lys Met | | | 545 |
| Glu | | | | |

<210> 120

<211> 514

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2287485

<400> 120

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Met Ser Trp Pro Arg Arg Leu Leu Leu Arg Tyr Leu Phe Pro Ala
 1              5              10              15
Leu Leu Leu His Gly Leu Gly Glu Gly Ser Ala Leu Leu His Pro
              20              25              30
Asp Ser Arg Ser His Pro Arg Ser Leu Glu Lys Ser Ala Trp Arg
              35              40              45
Ala Phe Lys Glu Ser Gln Cys His His Met Leu Lys His Leu His
              50              55              60
Asn Gly Ala Arg Ile Thr Val Gln Met Pro Pro Thr Ile Glu Gly
              65              70              75
His Trp Val Ser Thr Gly Cys Glu Val Arg Ser Gly Pro Glu Phe
              80              85              90
Ile Thr Arg Ser Tyr Arg Phe Tyr His Asn Asn Thr Phe Lys Ala
              95              100             105
Tyr Gln Phe Tyr Tyr Gly Ser Asn Arg Cys Thr Asn Pro Thr Tyr
              110             115             120
Thr Leu Ile Ile Arg Gly Lys Ile Arg Leu Arg Gln Ala Ser Trp
              125             130             135
Ile Ile Arg Gly Gly Thr Glu Ala Asp Tyr Gln Leu His Asn Val
              140             145             150
Gln Val Ile Cys His Thr Glu Ala Val Ala Glu Lys Leu Gly Gln
              155             160             165
Gln Val Asn Arg Thr Cys Pro Gly Phe Leu Ala Asp Gly Gly Pro
              170             175             180
Trp Val Gln Asp Val Ala Tyr Asp Leu Trp Arg Glu Glu Asn Gly
              185             190             195
Cys Glu Cys Thr Lys Ala Val Asn Phe Ala Met His Glu Leu Gln
              200             205             210
Leu Ile Arg Val Glu Lys Gln Tyr Leu His His Asn Leu Asp His
              215             220             225
Leu Val Gln Gly Ser Phe Ile Gln Gly Val Ile Phe Thr Asn Thr Thr
              230             235             240
Gln Arg Met Phe Tyr Arg Pro Ser Ser Tyr Gln Pro Pro Leu Gln
              245             250             255
Asn Ala Lys Asn His Asn His Ala Cys Ile Ala Cys Arg Ile Ile
              260             265             270
Tyr Arg Ser Asp Glu His His Pro Pro Ile Leu Pro Pro Lys Ala
              275             280             285
Asp Leu Thr Ile Gly Leu His Gly Glu Trp Val Ser Gln Arg Cys
              290             295             300
Glu Val Arg Pro Glu Val Leu Phe Leu Thr Arg His Phe Ile Phe
              305             310             315
His Asp Asn Asn Asn Thr Trp Glu Gly Phe Ile Tyr His Tyr
              320             325             330
Asp Pro Val Cys Lys His Pro Thr Phe Ser Ile Tyr Ala Arg Gly
              335             340             345

```

| | | |
|---|-----|---------|
| Arg Tyr Ser Arg Gly Val Leu Ser Ser Arg Val Met Gly Gly Thr | | |
| | 350 | 355 360 |
| Glu Phe Val Phe Lys Val Asn His Met Lys Val Thr Pro Met Asp | | |
| | 365 | 370 375 |
| Ala Ala Thr Ala Ser Leu Leu Asn Val Phe Asn Gly Asn Glu Cys | | |
| | 380 | 385 390 |
| Gly Ala Glu Gly Ser Trp Gln Val Gly Ile Gln Gln Asp Val Thr | | |
| | 395 | 400 405 |
| His Thr Asn Gly Cys Val Ala Leu Gly Ile Lys Leu Pro His Thr | | |
| | 410 | 415 420 |
| Glu Tyr Glu Ile Phe Lys Met Glu Gln Asp Ala Arg Gly Arg Tyr | | |
| | 425 | 430 435 |
| Leu Leu Phe Asn Gly Gln Arg Pro Ser Asp Gly Ser Ser Pro Asp | | |
| | 440 | 445 450 |
| Arg Pro Glu Lys Arg Ala Thr Ser Tyr Gln Met Pro Leu Val Gln | | |
| | 455 | 460 465 |
| Cys Ala Ser Ser Ser Pro Arg Ala Glu Asp Leu Ala Glu Asp Ser | | |
| | 470 | 475 480 |
| Gly Ser Ser Leu Tyr Gly Arg Ala Pro Gly Arg His Thr Trp Ser | | |
| | 485 | 490 495 |
| Leu Leu Leu Ala Ala Leu Ala Cys Leu Val Pro Leu Leu His Trp | | |
| | 500 | 505 510 |
| Asn Ile Arg Arg | | |

<210> 121

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2380344

<400> 121

| | | |
|---|----|---------|
| Met Leu Trp Trp Leu Val Leu Leu Leu Leu Pro Thr Leu Lys Ser | | |
| 1 | 5 | 10 15 |
| Val Phe Cys Ser Leu Val Thr Ser Leu Tyr Leu Pro Asn Thr Glu | | |
| | 20 | 25 30 |
| Asn Leu Ser Leu Thr Leu Trp Pro Lys Pro Asp Leu His Ser Gly | | |
| | 35 | 40 45 |
| Thr Arg Thr Glu Val Ser Thr His Thr Val Pro Ser Lys Pro Gly | | |
| | 50 | 55 60 |
| Thr Ala Ser Pro Cys Trp Pro Leu Ala Gly Ala Val Pro Ser Pro | | |
| | | |
| Thr Val Ser Arg Leu Glu Ala Leu Thr Arg Ala Val Gln Val Ala | | |
| | 80 | 85 90 |
| Glu Pro Leu Gly Ser Cys Gly Phe Gln Gly Gly Pro Cys Pro Gly | | |
| | 95 | 100 105 |
| Arg Arg Arg Asp | | |

<210> 122

<211> 431

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2383171

<400> 122

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Met Ser Trp Val Gln Ala Thr Leu Leu Ala Arg Gly Leu Cys Arg
 1          5          10          15
Ala Trp Gly Gly Thr Cys Gly Ala Ala Leu Thr Gly Thr Ser Ile
          20          25          30
Ser Gln Val Pro Arg Leu Pro Arg Gly Leu His Cys Ser Ala
          35          40          45
Ala Ala His Ser Ser Glu Gln Ser Leu Val Pro Ser Pro Pro Glu
          50          55          60
Pro Arg Gln Arg Pro Thr Lys Ala Leu Val Pro Phe Glu Asp Leu
          65          70          75
Phe Gly Gln Ala Pro Gly Gly Glu Arg Asp Lys Ala Ser Phe Leu
          80          85          90
Gln Thr Val Gln Lys Phe Ala Glu His Ser Val Arg Lys Arg Gly
          95          100          105
His Ile Asp Phe Ile Tyr Leu Ala Leu Arg Lys Met Arg Glu Tyr
          110          115          120
Gly Val Glu Arg Asp Leu Ala Val Tyr Asn Gln Leu Leu Asn Ile
          125          130          135
Phe Pro Lys Glu Val Phe Arg Pro Arg Asn Ile Ile Gln Arg Ile
          140          145          150
Phe Val His Tyr Pro Arg Gln Gln Glu Cys Gly Ile Ala Val Leu
          155          160          165
Glu Gln Met Glu Asn His Gly Val Met Pro Asn Lys Glu Thr Glu
          170          175          180
Phe Leu Leu Ile Gln Ile Phe Gly Arg Lys Ser Tyr Pro Met Leu
          185          190          195
Lys Leu Val Arg Leu Lys Leu Trp Phe Pro Arg Phe Met Asn Val
          200          205          210
Asn Pro Phe Pro Val Pro Arg Asp Leu Pro Gln Asp Pro Val Glu
          215          220          225
Leu Ala Met Phe Gly Leu Arg His Met Glu Pro Asp Leu Ser Ala
          230          235          240
Arg Val Glu Ile Thr Gln Val Leu Leu Leu Leu Leu Leu Leu Leu
          245          250          255
Ala Ala Asp Pro Pro Gln Pro His Ile Val Gly Ile Gln Ser Pro
          260          265          270
Asn Gln Gln Ala Ala Leu Ala Arg His Asn Pro Ala Arg Pro Val
          275          280          285
Phe Val Glu Gly Pro Phe Ser Leu Trp Leu Arg Asn Lys Cys Val
          290          295          300
Tyr Tyr His Ile Leu Arg Ala Asp Leu Leu Pro Pro Glu Glu Arg
          305          310          315
Glu Val Glu Glu Thr Pro Glu Glu Trp Asn Leu Tyr Tyr Pro Met
          320          325          330
Glu Val Asp Met Thr Tyr Val Phe Ser Gly Gly Ala Val Val
          335          340          345
Phe Asp Ile Asn Glu Val Glu Glu Gly Pro Val Phe Ala Met Cys
          350          355          360

```

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Ala | Gly | Ala | His | Asp | Gln | Ala | Thr | Met | Ala | Lys | Trp | Ile | Gln | |
| | | | | 365 | | | | | 370 | | | | | 375 | |
| Gly | Leu | Gln | Glu | Thr | Asn | Pro | Thr | Leu | Ala | Gln | Ile | Pro | Val | Val | |
| | | | | 380 | | | | | 385 | | | | | 390 | |
| Phe | Arg | Leu | Ala | Gly | Ser | Thr | Arg | Glu | Leu | Gln | Thr | Ser | Ser | Ala | |
| | | | | 395 | | | | | 400 | | | | | 405 | |
| Gly | Leu | Glu | Glu | Pro | Pro | Leu | Pro | Glu | Asp | His | Gln | Glu | Glu | Asp | |
| | | | | 410 | | | | | 415 | | | | | 420 | |
| Asp | Asn | Leu | Gln | Arg | Gln | Gln | Gln | Gly | Gln | Ser | | | | | |
| | | | | 425 | | | | | 430 | | | | | | |

<210> 123

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2396046

<400> 123

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Leu | Leu | Gly | Val | Arg | Ala | Val | Pro | Leu | Cys | Ser | Ala | Trp | Gln | |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Gly | Ala | Val | Gly | Leu | Val | Ser | Leu | Ala | Ile | Ser | Ile | Cys | Lys | His | |
| | | | | 20 | | | | | 25 | | | | | 30 | |
| Gly | Leu | Ser | Ser | Gln | Gln | Asn | Leu | Val | Pro | Gly | Lys | Ser | Asn | Val | |
| | | | | 35 | | | | | 40 | | | | | 45 | |
| Pro | Lys | Ala | Ser | Asp | Met | Pro | Arg | Cys | Pro | Pro | Val | Phe | Gln | Ser | |
| | | | | 50 | | | | | 55 | | | | | 60 | |
| Pro | Asn | Leu | Thr | Pro | Phe | Pro | His | His | Thr | Lys | His | Thr | Ser | Gln | |
| | | | | 65 | | | | | 70 | | | | | 75 | |
| Gly | Ser | His | Leu | Gly | Val | Pro | Pro | Pro | Ala | Pro | Met | Pro | Trp | Cys | |
| | | | | 80 | | | | | 85 | | | | | 90 | |
| Pro | Gln | Ala | Gln | Gly | Phe | Gly | Leu | Ser | Cys | Gln | Ser | Leu | Asp | Ala | |
| | | | | 95 | | | | | 100 | | | | | 105 | |
| Phe | Glu | Gly | Gln | Leu | Gly | Cys | Gly | Trp | Gly | Val | Gln | Ala | Ala | Gly | |
| | | | | 110 | | | | | 115 | | | | | 120 | |
| Glu | Pro | Arg | Leu | Arg | Ile | Ile | His | Thr | Leu | Leu | Phe | Gly | Ala | Phe | |
| | | | | 125 | | | | | 130 | | | | | | |
| Val | Glu | Val | Ser | Arg | Ile | Pro | | | | | | | | | |
| | | | | 140 | | | | | | | | | | | |

<210> 124

<211> 643

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2456587

<400> 124

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Glu | Cys | Cys | Arg | Arg | Ala | Thr | Pro | Gly | Thr | Leu | Leu | Leu | Phe | |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Leu | Ala | Phe | Leu | Leu | Leu | Ser | Ser | Arg | Thr | Ala | Arg | Ser | Glu | Glu | |
| | | | | 20 | | | | | 25 | | | | | 30 | |
| Asp | Arg | Asp | Gly | Leu | Trp | Asp | Ala | Trp | Gly | Pro | Trp | Ser | Glu | Cys | |
| | | | | 35 | | | | | 40 | | | | | 45 | |
| Ser | Arg | Thr | Cys | Gly | Gly | Gly | Ala | Ser | Tyr | Ser | Leu | Arg | Arg | Cys | |
| | | | | 50 | | | | | 55 | | | | | 60 | |
| Leu | Ser | Ser | Lys | Ser | Cys | Glu | Gly | Arg | Asn | Ile | Arg | Tyr | Arg | Thr | |
| | | | | 65 | | | | | 70 | | | | | 75 | |
| Cys | Ser | Asn | Val | Asp | Cys | Pro | Pro | Glu | Ala | Gly | Asp | Phe | Arg | Ala | |
| | | | | 80 | | | | | 85 | | | | | 90 | |
| Gln | Gln | Cys | Ser | Ala | His | Asn | Asp | Val | Lys | His | His | Gly | Gln | Phe | |
| | | | | 95 | | | | | 100 | | | | | 105 | |
| Tyr | Glu | Trp | Leu | Pro | Val | Ser | Asn | Asp | Pro | Asp | Asn | Pro | Cys | Ser | |
| | | | | 110 | | | | | 115 | | | | | 120 | |
| Leu | Lys | Cys | Gln | Ala | Lys | Gly | Thr | Thr | Leu | Val | Val | Glu | Leu | Ala | |
| | | | | 125 | | | | | 130 | | | | | 135 | |
| Pro | Lys | Val | Leu | Asp | Gly | Thr | Arg | Cys | Tyr | Thr | Glu | Ser | Leu | Asp | |
| | | | | 140 | | | | | 145 | | | | | 150 | |
| Met | Cys | Ile | Ser | Gly | Leu | Cys | Gln | Ile | Val | Gly | Cys | Asp | His | Gln | |
| | | | | 155 | | | | | 160 | | | | | 165 | |
| Leu | Gly | Ser | Thr | Val | Lys | Glu | Asp | Asn | Cys | Gly | Val | Cys | Asn | Gly | |
| | | | | 170 | | | | | 175 | | | | | 180 | |
| Asp | Gly | Ser | Thr | Cys | Arg | Leu | Val | Arg | Gly | Gln | Tyr | Lys | Ser | Gln | |
| | | | | 185 | | | | | 190 | | | | | 195 | |
| Leu | Ser | Ala | Thr | Lys | Ser | Asp | Asp | Thr | Val | Val | Ala | Ile | Pro | Tyr | |
| | | | | 200 | | | | | 205 | | | | | 210 | |
| Gly | Ser | Arg | His | Ile | Arg | Leu | Val | Leu | Lys | Gly | Pro | Asp | His | Leu | |
| | | | | 215 | | | | | 220 | | | | | 225 | |
| Tyr | Leu | Glu | Thr | Lys | Thr | Leu | Gln | Gly | Thr | Lys | Gly | Glu | Asn | Ser | |
| | | | | 230 | | | | | 235 | | | | | 240 | |
| Leu | Ser | Ser | Thr | Gly | Thr | Phe | Leu | Val | Asp | Asn | Ser | Ser | Val | Asp | |
| | | | | 245 | | | | | 250 | | | | | 255 | |
| Phe | Gln | Lys | Phe | Pro | Asp | Lys | Glu | Ile | Leu | Arg | Met | Ala | Gly | Pro | |
| | | | | 260 | | | | | 265 | | | | | 270 | |
| Leu | Thr | Ala | Asp | Phe | Ile | Val | Lys | Ile | Arg | Asn | Ser | Gly | Ser | Ala | |
| | | | | 275 | | | | | 280 | | | | | 285 | |
| Asp | Ser | Thr | Val | Gln | Phe | Ile | Phe | Tyr | Gln | Pro | Ile | Ile | His | Arg | |
| | | | | 290 | | | | | 295 | | | | | 300 | |
| | | | | 305 | | | | | 310 | | | | | 315 | |
| Gly | Tyr | Gln | Leu | Thr | Ser | Ala | Glu | Cys | Tyr | Asp | Leu | Arg | Ser | Asn | |
| | | | | 320 | | | | | 325 | | | | | 330 | |
| | | | | | | | | | | | | | | | |
| Lys | Pro | Lys | Pro | Lys | Leu | Gln | Glu | Cys | Asn | Leu | Asp | Pro | Cys | Pro | |
| | | | | 350 | | | | | 355 | | | | | 360 | |
| Ala | Ser | Asp | Gly | Tyr | Lys | Gln | Ile | Met | Pro | Tyr | Asp | Leu | Tyr | His | |
| | | | | 365 | | | | | 370 | | | | | 375 | |
| Pro | Leu | Pro | Arg | Trp | Glu | Ala | Thr | Pro | Trp | Thr | Ala | Cys | Ser | Ser | |
| | | | | 380 | | | | | 385 | | | | | 390 | |
| | | | | 395 | | | | | 400 | | | | | 405 | |
| Glu | Asp | Ile | Gln | Gly | His | Val | Thr | Ser | Val | Glu | Glu | Trp | Lys | Cys | |
| | | | | 410 | | | | | 415 | | | | | 420 | |

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Tyr | Thr | Pro | Lys | Met | Pro | Ile | Ala | Gln | Pro | Cys | Asn | Ile | Phe |
| | | | | 425 | | | | | 430 | | | | | 435 |
| Asp | Cys | Pro | Lys | Trp | Leu | Ala | Gln | Glu | Trp | Ser | Pro | Cys | Thr | Val |
| | | | | 440 | | | | | 445 | | | | | 450 |
| Thr | Cys | Gly | Gln | Gly | Leu | Arg | Tyr | Arg | Val | Val | Leu | Cys | Ile | Asp |
| | | | | 455 | | | | | 460 | | | | | 465 |
| His | Arg | Gly | Met | His | Thr | Gly | Gly | Cys | Ser | Pro | Lys | Thr | Lys | Pro |
| | | | | 470 | | | | | 475 | | | | | 480 |
| His | Ile | Lys | Glu | Glu | Cys | Ile | Val | Pro | Thr | Pro | Cys | Tyr | Lys | Pro |
| | | | | 485 | | | | | 490 | | | | | 495 |
| Lys | Glu | Lys | Leu | Pro | Val | Glu | Ala | Lys | Leu | Pro | Trp | Phe | Lys | Gln |
| | | | | 500 | | | | | 505 | | | | | 510 |
| Ala | Gln | Glu | Leu | Glu | Glu | Gly | Ala | Ala | Val | Ser | Glu | Glu | Pro | Ser |
| | | | | 515 | | | | | 520 | | | | | 525 |
| Phe | Ile | Pro | Glu | Ala | Trp | Ser | Ala | Cys | Thr | Val | Thr | Cys | Gly | Val |
| | | | | 530 | | | | | 535 | | | | | 540 |
| Gly | Thr | Gln | Val | Arg | Ile | Val | Arg | Cys | Gln | Val | Leu | Leu | Ser | Phe |
| | | | | 545 | | | | | 550 | | | | | 555 |
| Ser | Gln | Ser | Val | Ala | Asp | Leu | Pro | Ile | Asp | Glu | Cys | Glu | Gly | Pro |
| | | | | 560 | | | | | 565 | | | | | 570 |
| Lys | Pro | Ala | Ser | Gln | Arg | Ala | Cys | Tyr | Ala | Gly | Pro | Cys | Ser | Gly |
| | | | | 575 | | | | | 580 | | | | | 585 |
| Glu | Ile | Pro | Glu | Phe | Asn | Pro | Asp | Glu | Thr | Asp | Gly | Leu | Phe | Gly |
| | | | | 590 | | | | | 595 | | | | | 600 |
| Gly | Leu | Gln | Asp | Phe | Asp | Glu | Leu | Tyr | Asp | Trp | Glu | Tyr | Glu | Gly |
| | | | | 605 | | | | | 610 | | | | | 615 |
| Phe | Thr | Lys | Cys | Ser | Glu | Ser | Cys | Gly | Gly | Gly | Val | Gln | Glu | Ala |
| | | | | 620 | | | | | 625 | | | | | 630 |
| Val | Val | Ser | Cys | Leu | Asn | Lys | Gln | Thr | Arg | Glu | Pro | Cys | | |
| | | | | 635 | | | | | 640 | | | | | |

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<210> 125
<211> 568
<212> PRT
<213> Homo sapiens
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<220>
<221> misc feature
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<400> 125

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Val | Leu | Leu | His | Trp | Cys | Leu | Leu | Trp | Leu | Leu | Phe | Pro | Leu |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| | | | | 10 | | | | | 20 | | | | | 25 |
| | | | | 15 | | | | | 25 | | | | | 30 |
| Gln | Met | Gln | Ile | Arg | Asp | Lys | Ala | Phe | Phe | His | Asp | Ser | Ser | Val |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Ile | Pro | Asp | Gly | Ala | Glu | Ile | Ser | Ser | Tyr | Leu | Phe | Arg | Asp | Thr |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Pro | Lys | Arg | Trp | Phe | Phe | Val | Val | Glu | Glu | Asp | Asn | Thr | Pro | Leu |
| | | | | 65 | | | | | 70 | | | | | 75 |
| Ser | Val | Thr | Val | Thr | Pro | Cys | Asp | Ala | Pro | Leu | Glu | Trp | Lys | Leu |
| | | | | 80 | | | | | 85 | | | | | 90 |
| Ser | Leu | Gln | Glu | Leu | Pro | Glu | Asp | Arg | Ser | Gly | Glu | Gly | Ser | Gly |

| | | | |
|-----------------|---------------------|-------------------------|-----|
| | 95 | 100 | 105 |
| Asp Leu Glu Pro | Leu Glu Gln Gln Lys | Gln Gln Ile Ile Asn Glu | |
| | 110 | 115 | 120 |
| Glu Gly Thr Glu | Leu Phe Ser Tyr Lys | Gly Asn Asp Val Glu Tyr | |
| | 125 | 130 | 135 |
| Phe Ile Ser Ser | Ser Ser Pro Ser Gly | Leu Tyr Gln Leu Asp Leu | |
| | 140 | 145 | 150 |
| Leu Ser Thr Glu | Lys Asp Thr His Phe | Lys Val Tyr Ala Thr Thr | |
| | 155 | 160 | 165 |
| Thr Pro Glu Ser | Asp Gln Pro Tyr Pro | Glu Leu Pro Tyr Asp Pro | |
| | 170 | 175 | 180 |
| Arg Val Asp Val | Thr Ser Leu Gly Arg | Thr Thr Val Thr Leu Ala | |
| | 185 | 190 | 195 |
| Trp Lys Pro Ser | Pro Thr Ala Ser Leu | Leu Lys Gln Pro Ile Gln | |
| | 200 | 205 | 210 |
| Tyr Cys Val Val | Ile Asn Lys Glu His | Asn Phe Lys Ser Leu Cys | |
| | 215 | 220 | 225 |
| Ala Val Glu Ala | Lys Leu Ser Ala Asp | Asp Ala Phe Met Met Ala | |
| | 230 | 235 | 240 |
| Pro Lys Pro Gly | Leu Asp Phe Ser Pro | Phe Asp Phe Ala His Phe | |
| | 245 | 250 | 255 |
| Gly Phe Pro Ser | Asp Asn Ser Gly Lys | Glu Arg Ser Phe Gln Ala | |
| | 260 | 265 | 270 |
| Lys Pro Ser Pro | Lys Leu Gly Arg His | Val Tyr Ser Arg Pro Lys | |
| | 275 | 280 | 285 |
| Val Asp Ile Gln | Lys Ile Cys Ile Gly | Asn Lys Asn Ile Phe Thr | |
| | 290 | 295 | 300 |
| Val Ser Asp Leu | Lys Pro Asp Thr Gln | Tyr Tyr Phe Asp Val Phe | |
| | 305 | 310 | 315 |
| Val Val Asn Ile | Asn Ser Asn Met Ser | Thr Ala Tyr Val Gly Thr | |
| | 320 | 325 | 330 |
| Phe Ala Arg Thr | Lys Glu Glu Ala Lys | Gln Lys Thr Val Glu Leu | |
| | 335 | 340 | 345 |
| Lys Asp Gly Lys | Ile Thr Asp Val Phe | Val Lys Arg Lys Gly Ala | |
| | 350 | 355 | 360 |
| Lys Phe Leu Arg | Phe Ala Pro Val Ser | Ser His Gln Lys Val Thr | |
| | 365 | 370 | 375 |
| Phe Phe Ile His | Ser Cys Leu Asp Ala | Val Gln Ile Gln Val Arg | |
| | 380 | 385 | 390 |
| Arg Asp Gly Lys | Leu Leu Leu Ser Gln | Asn Val Glu Gly Ile Gln | |
| | 395 | 400 | 405 |
| Gln Phe Gln Ile | Leu Gly Thr Pro Lys | Gln Ile Thr Thr Val Val | |
| | 410 | 415 | 420 |
| Leu Lys Gly Asn | Lys Lys Gly Ala Ser | Met Leu Lys Ile Leu Ala | |
| | 425 | 430 | 435 |
| Thr Thr Arg Pro | Thr Lys Gln Ser Phe | Pro Ser Leu Pro Glu Asp | |
| | 440 | 445 | 450 |
| Thr Arg Ile Lys | Ala Phe Asp Lys Leu | Arg Thr Cys Ser Ser Ala | |
| | 455 | 460 | 465 |
| Thr Val Ala Trp | Leu Gly Thr Gln Glu | Arg Asn Lys Phe Cys Ile | |
| | 470 | 475 | 480 |
| Tyr Lys Lys Glu | Val Asp Asp Asn Tyr | Asn Glu Asp Gln Lys Lys | |
| | 485 | 490 | 495 |
| Arg Val Thr Asn | Gln Glu Leu Asp Pro | Val Thr Thr Thr Val Val | |
| | 500 | 505 | 510 |
| Glu Lys Val Leu | Cys Lys Tyr Phe His | Ser Gln Asn Leu Gln Lys | |
| | 515 | 520 | 525 |

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Val | Thr | Thr | Glu | Thr | Ile | Lys | Gly | Leu | Gln | Pro | Gly | Lys | Ser |
| | | | | 530 | | | | | 535 | | | | | 540 |
| Tyr | Leu | Leu | Asp | Val | Tyr | Val | Ile | Gly | His | Gly | Gly | His | Ser | Val |
| | | | | 545 | | | | | 550 | | | | | 555 |
| Lys | Tyr | Gln | Ser | Lys | Val | Val | Lys | Thr | Arg | Lys | Phe | Cys | | |
| | | | | 560 | | | | | 565 | | | | | |

<210> 126
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2493851

<400> 126
 Met Trp Leu Val Gly Pro Ser Phe Leu Ser Cys Pro Leu Gly Lys
 1 5 10 15
 Val Pro Pro Ala Gly Leu Leu Leu Ala Gly Ser Ser Gly Arg Gly
 20 25 30
 Ala Arg Arg Pro Ala Thr Pro Arg His Trp Ser Ser Thr Thr Pro
 35 40 45
 Gly Leu Arg Leu Glu Ala Pro Leu Cys Gln Leu Cys Pro Leu Gly
 50 55 60
 Gly Thr Arg Gln Asp Cys Gln Pro Leu Ser Trp Gln Val Thr Ser
 65 70 75
 Ala Phe Lys Leu Thr Val Pro Ser Pro Phe His Ala Pro Pro Arg
 80 85 90
 Ser Trp Ser Cys Leu Leu Leu Gly Ile Phe Pro Gly Gln Ala Leu
 95 100 105
 Ala Leu Glu Pro Trp His Leu Phe Leu Gly Ser Met Leu Pro Arg
 110 115 120
 Cys Asp Gly Glu Cys
 125

<210> 127
 <211> 196
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2495719

<400> 127
 Met Ala Ala Leu Lys Ala Leu Val Ser Gly Cys Gly Arg Leu Leu
 1 5 10 15
 Arg Gly Leu Leu Ala Gly Pro Ala Ala Thr Ser Trp Ser Arg Leu
 20 25 30
 Pro Ala Arg Gly Phe Arg Glu Val Val Glu Thr Gln Glu Gly Lys

| | | |
|---|-------------------------|-----|
| 35 | 40 | 45 |
| Thr Thr Ile Ile Glu Gly Arg Ile Thr | Ala Thr Pro Lys Glu Ser | |
| 50 | 55 | 60 |
| Pro Asn Pro Pro Asn Pro Ser Gly Gln Cys | Pro Ile Cys Arg Trp | |
| 65 | 70 | 75 |
| Asn Leu Lys His Lys Tyr Asn Tyr Asp Asp | Val Leu Leu Leu Ser | |
| 80 | 85 | 90 |
| Gln Phe Ile Arg Pro His Gly Gly Met Leu | Pro Arg Lys Ile Thr | |
| 95 | 100 | 105 |
| Gly Leu Cys Gln Glu Glu His Arg Lys Ile | Glu Glu Cys Val Lys | |
| 110 | 115 | 120 |
| Met Ala His Arg Ala Gly Leu Leu Pro Asn | His Arg Pro Arg Leu | |
| 125 | 130 | 135 |
| Pro Glu Gly Val Val Pro Lys Ser Lys Pro | Gln Leu Asn Arg Tyr | |
| 140 | 145 | 150 |
| Leu Thr Arg Trp Ala Pro Gly Ser Val Lys | Pro Ile Tyr Lys Lys | |
| 155 | 160 | 165 |
| Gly Pro Arg Trp Asn Arg Val Arg Met Pro | Val Gly Ser Pro Leu | |
| 170 | 175 | 180 |
| Leu Arg Asp Asn Val Cys Tyr Ser Arg Thr | Pro Trp Lys Leu Tyr | |
| 185 | 190 | 195 |
| His | | |

<210> 128

<211> 214

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2614153

<400> 128

| | |
|---|--|
| Met Val Leu Gly Gly Cys Pro Val Ser Tyr Leu Leu Leu Cys Gly | |
| 1 5 10 15 | |
| Gln Ala Ala Leu Leu Leu Gly Asn Leu Leu Leu Leu His Cys Val | |
| 20 25 30 | |
| Ser Arg Ser His Ser Gln Asn Ala Thr Ala Glu Pro Glu Leu Thr | |
| Ser Ala Gly Ala Ala Gln Pro Glu Gly Pro Gly Gly Ala Ala Ser | |
| 50 55 60 | |
| Trp Glu Tyr Gly Asp Pro His Ser Pro Val Ile Leu Cys Ser Tyr | |
| 65 70 75 | |
| Gly Asn Ala Thr Ala Ser Gln Glu Leu Gly Tyr Gly Cys Leu Lys | |
| 80 85 90 | |
| Phe Gly Gly Gln Ala Tyr Ser Asp Val Glu His Thr Ser Val Gln | |
| 95 100 105 | |
| Cys His Ala Leu Asp Gly Ile Glu Cys Ala Ser Pro Arg Thr Phe | |
| 110 115 120 | |
| Leu Arg Glu Asn Lys Pro Cys Ile Lys Tyr Thr Gly His Tyr Phe | |
| 125 130 135 | |
| Ile Thr Thr Leu Leu Tyr Ser Phe Phe Leu Gly Cys Phe Gly Val | |
| 140 145 150 | |

| | | | | | |
|-----------------|---------------------|---------------------|-----|--|-----|
| | 155 | | 160 | | 165 |
| Asp Arg Phe Cys | Leu Gly His Thr Gly | Thr Ala Val Gly Lys | Leu | | |
| | 170 | | 175 | | 180 |
| Leu Thr Leu Gly | Gly Leu Gly Ile Trp | Trp Phe Val Asp Leu | Ile | | |
| | 185 | | 190 | | 195 |
| Leu Leu Ile Thr | Gly Gly Leu Met Pro | Ser Asp Gly Ser Asn | Trp | | |
| | 200 | | 205 | | 210 |
| Cys Thr Val Tyr | | | | | |

<210> 129
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte Clone No: 2655184

| | |
|---|--|
| <400> 129 | |
| Met Ala Cys Phe Ser Phe Phe Leu Cys Phe Leu Val His Leu Leu | |
| 1 5 10 15 | |
| Ile Lys Met Asn Pro Val Thr Glu Ser Pro Ser Cys Leu Phe Ser | |
| 20 25 30 | |
| Pro Pro Ser Glu Ser Ala Leu Ala Ser Gln Leu Ala Leu Ser Ala | |
| 35 40 45 | |
| Ser Cys Asp Gln Arg Ala Pro Phe Ser Leu Ala Gly Val Val Ser | |
| 50 55 60 | |
| His Asp Pro Gly Trp Pro Val Val Arg Leu His Arg Pro Leu Val | |
| 65 70 75 | |
| Pro Glu His Ala Val Phe Ser Gln Pro Ser Leu Gln Pro | |
| 80 85 | |

<210> 130
 <211> 260
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2648260

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|---|--|
| <400> 130 | |
| Met Pro Asp Pro Leu Phe Ser Ala Val Gln Gly Lys Asp Glu Ile | |
| 1 5 10 15 | |
| Leu His Lys Ala Leu Cys Phe Cys Pro Trp Leu Gly Lys Gly Gly | |
| 20 25 30 | |
| Met Glu Pro Leu Arg Leu Leu Ile Leu Leu Phe Val Thr Glu Leu | |
| 35 40 45 | |
| Ser Gly Ala His Asn Thr Thr Val Phe Gln Gly Val Ala Gly Gln | |
| 50 55 60 | |
| Ser Leu Gln Val Ser Cys Pro Tyr Asp Ser Met Lys His Trp Gly | |

| | | | | | |
|-----------------|---------------------|-------------------------|-----|--|-----|
| | 65 | | 70 | | 75 |
| Arg Arg Lys Ala | Trp Cys Arg Gln Leu | Gly Glu Lys Gly Pro Cys | | | |
| | 80 | | 85 | | 90 |
| Gln Arg Val Val | Ser Thr His Asn Leu | Trp Leu Leu Ser Phe Leu | | | |
| | 95 | | 100 | | 105 |
| Arg Arg Trp Asn | Gly Ser Thr Ala Ile | Thr Asp Asp Thr Leu Gly | | | |
| | 110 | | 115 | | 120 |
| Gly Thr Leu Thr | Ile Thr Leu Arg Asn | Leu Gln Pro His Asp Ala | | | |
| | 125 | | 130 | | 135 |
| Gly Leu Tyr Gln | Cys Gln Ser Leu His | Gly Ser Glu Ala Asp Thr | | | |
| | 140 | | 145 | | 150 |
| Leu Arg Lys Val | Leu Val Glu Val Leu | Ala Asp Pro Leu Asp His | | | |
| | 155 | | 160 | | 165 |
| Arg Asp Ala Gly | Asp Leu Trp Phe Pro | Gly Glu Ser Glu Ser Phe | | | |
| | 170 | | 175 | | 180 |
| Glu Asp Ala His | Val Glu His Ser Ile | Ser Arg Ser Leu Leu Glu | | | |
| | 185 | | 190 | | 195 |
| Gly Glu Ile Pro | Phe Pro Pro Thr Ser | Ile Leu Leu Leu Leu Ala | | | |
| | 200 | | 205 | | 210 |
| Cys Ile Phe Leu | Ile Lys Ile Leu Ala | Ala Ser Ala Leu Trp Ala | | | |
| | 215 | | 220 | | 225 |
| Ala Ala Trp His | Gly Gln Lys Pro Gly | Thr His Pro Pro Ser Glu | | | |
| | 230 | | 235 | | 240 |
| Leu Asp Cys Gly | His Asp Pro Gly Tyr | Gln Leu Gln Thr Leu Pro | | | |
| | 245 | | 250 | | 255 |
| Gly Leu Arg Asp | Thr | | | | |
| | 260 | | | | |

<210> 131

<211> 295

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2849906

<400> 131

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| Gly Cys Cys Ala | Leu Leu Leu Ser | Leu Trp Ala Leu Cys | Thr Ala | | | | |
| | 20 | | 25 | | 30 | | |
| Gln Arg Arg Phe | Gly Asp Ile Val Ala | Pro Arg Ile Leu Ala Phe | | | | | |
| | 35 | | 40 | | 45 | | 50 |
| Arg Gln Arg Ala | Arg Leu Gln Gly | Ser Ala Thr Ala Ala | Glu Ala | | | | |
| | 50 | | 55 | | 60 | | |
| Ser Leu Leu Arg | Arg Thr His Leu | Cys Ser Leu Ser | Lys Ser Asp | | | | |
| | 65 | | 70 | | 75 | | |
| Thr Arg Leu His | Glu Leu His Arg | Gly Pro Arg Ser | Ser Arg Ala | | | | |
| | 80 | | 85 | | 90 | | |
| Leu Arg Pro Ala | Leu Met Arg Phe | Leu Arg Pro His | Thr Leu Ala | | | | |
| | 95 | | 100 | | 105 | | |
| Val Ser Arg Asp | Ile Thr Gly Pro | Gln Ala Ala Pro | Ser Ala Phe | | | | |
| | 110 | | 115 | | 120 | | |

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Pro His Gln Glu Leu Pro Arg Ala Leu Pro Ala Ala Ala Ala Thr
125 130 135
Ala Gly Cys Ala Gly Leu Glu Ala Thr Tyr Ser Asn Val Gly Leu
140 145 150
Ala Ala Leu Pro Gly Val Ser Leu Ala Ala Ser Pro Val Val Ala
155 160 165
Glu Tyr Ala Arg Val Gln Lys Arg Lys Gly Thr His Arg Ser Pro
170 175 180
Gln Glu Pro Gln Gln Gly Lys Thr Glu Val Thr Pro Ala Ala Gln
185 190 195
Val Asp Val Leu Tyr Ser Arg Val Cys Lys Pro Lys Arg Arg Asp
200 205 210
Pro Gly Pro Thr Thr Asp Pro Leu Asp Pro Lys Gly Gln Gly Ala
215 220 225
Ile Leu Ala Leu Ala Gly Asp Leu Ala Tyr Gln Thr Leu Pro Leu
230 235 240
Arg Ala Leu Asp Val Asp Ser Gly Pro Leu Glu Asn Val Tyr Glu
245 250 255
Ser Ile Arg Glu Leu Gly Asp Pro Ala Gly Arg Ser Ser Thr Cys
260 265 270
Gly Ala Gly Thr Pro Pro Ala Ser Ser Cys Pro Ser Leu Gly Arg
275 280 285
Gly Trp Arg Pro Leu Pro Ala Ser Leu Pro
290 295

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<210> 132

<211> 183

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2899137

<400> 132

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Met Ala Ala Ser Met Ala Arg Gly Gly Val Ser Ala Arg Val Leu
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Leu Gln Ala Ala Arg Gly Thr Trp Trp Asn Arg Pro Gly Gly Thr
35 40 45
Ser Gly Ser Gly Glu Gly Val Ala Leu Gly Thr Thr Arg Lys Phe
50 55 60
Gln Ala Thr Gly Ser Arg Pro Ala Gly Glu Glu Asp Ala Gly Gly
65 70 75
Ser Gly Gln Arg Ile Pro Val Ser Gly Arg Val Gly Asp Asn Val
80 85 90
Leu His Leu Ala Gln Arg His Gly Val Asp Leu Glu Gly Ala Cys
95 100 105
Glu Ala Ser Leu Ala Cys Ser Thr Cys His Val Tyr Val Ser Glu
110 115 120
Asp His Leu Asp Leu Leu Pro Pro Pro Glu Glu Arg Glu Asp Asp
125 130 135
Met Leu Asp Met Ala Pro Leu Leu Gln Glu Asn Ser Arg Leu Gly

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| | | | |
|-----------------|---------------------|---------------------|-----|
| | 140 | 145 | 150 |
| Cys Gln Ile Val | Leu Thr Pro Glu Leu | Glu Gly Ala Glu Phe | Thr |
| | 155 | 160 | 165 |
| Leu Pro Lys Ile | Thr Arg Asn Phe Tyr | Val Asp Gly His Val | Pro |
| | 170 | 175 | 180 |
| Lys Pro His | | | |

<210> 133
 <211> 113
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2986229

<400> 133
 Met Trp Arg Lys Pro Asp Val Leu Tyr Ser Val Ile Pro Val Thr
 1 5 10 15
 Ser Leu Phe Phe Leu Leu Ala Leu Asn Leu Pro Asp Val Phe Gly
 20 25 30
 Leu Val Val Leu Pro Leu Glu Leu Lys Leu Arg Ile Phe Arg Leu
 35 40 45
 Leu Asp Val Arg Ser Val Leu Ser Leu Ser Ala Val Cys Arg Asp
 50 55 60
 Leu Phe Thr Ala Ser Asn Asp Pro Leu Leu Trp Arg Phe Leu Tyr
 65 70 75
 Leu Arg Asp Phe Arg Gly Asp Phe Arg Asn Asp Ile Phe Thr Arg
 80 85 90
 Lys Gly Ser Tyr Cys Leu Asp Tyr Ser Ala His Gln Lys Phe Leu
 95 100 105
 Val Val Gly Phe Phe Cys Cys Lys
 110

<210> 134
 <212> PRT
 <213> Homo sapiens

<223> Incyte Clone No: 3222081

<400> 134
 Met Gln Arg Val Ser Gly Leu Leu Ser Trp Thr Leu Ser Arg Val
 1 5 10 15
 Leu Trp Leu Ser Gly Leu Ser Glu Pro Gly Ala Ala Arg Gln Pro
 20 25 30
 Arg Ile Met Glu Glu Lys Ala Leu Glu Val Tyr Asp Leu Ile Arg
 35 40 45
 Thr Ile Arg Asp Pro Glu Lys Pro Asn Thr Leu Glu Glu Leu Glu

| | | | | | |
|---|-----|--|-----|--|-----|
| | 50 | | 55 | | 60 |
| Val Val Ser Glu Ser Cys Val Glu Val Gln Glu Ile Asn Glu Glu | | | | | |
| | 65 | | 70 | | 75 |
| Glu Tyr Leu Val Ile Ile Arg Phe Thr Pro Thr Val Pro His Cys | | | | | |
| | 80 | | 85 | | 90 |
| Ser Leu Ala Thr Leu Ile Gly Leu Cys Leu Arg Val Lys Leu Gln | | | | | |
| | 95 | | 100 | | 105 |
| Arg Cys Leu Pro Phe Lys His Lys Leu Glu Ile Tyr Ile Ser Glu | | | | | |
| | 110 | | 115 | | 120 |
| Gly Thr His Ser Thr Glu Glu Asp Ile Asn Lys Gln Ile Asn Asp | | | | | |
| | 125 | | 130 | | 135 |
| Lys Glu Arg Val Ala Ala Ala Met Glu Asn Pro Asn Leu Arg Glu | | | | | |
| | 140 | | 145 | | 150 |
| Ile Val Glu Gln Cys Val Leu Glu Pro Asp | | | | | |
| | 155 | | 160 | | |

<210> 135

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 443531

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<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 11, 12

<223> a or g or c or t, unknown, or other

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 <223> Incyte Clone No: 632860

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<210> 137
 <211> 801
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 670010

<400> 137
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<210> 138
 <211> 664
 <213> Homo sapiens
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 <222> 505, 518, 527, 540, 565, 566
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 <221> misc_feature
 <223> Incyte Clone No: 726498

<400> 138

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acta

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664

<210> 139

<211> 1241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 795064

<400> 139

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gctgaatcgg ggttaacatc ccttccaggc acagcgagtt ggttctgctt tttgcctgta 180
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1241

<210> 140

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 570, 641

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 924925

<400> 140

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<210> 141

<211> 1235

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 962390

<400> 141

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<211> 1834

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1259405

<400> 142

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<210> 143

<211> 1722

<212> DNA

<220>

<221> misc_feature

<223> Incyte Clone No: 1287364

<400> 143

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ctaggttact ggggtttggg ggattgtttt cttttggggg ccttccctt ttactcctt 480
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<210> 144

<211> 1741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1299627

<400> 144

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<210> 145

<211> 997

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 973

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 1306026

<400> 145

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<210> 145

<211> 997

<212> DNA

<213> Homo sapiens

<221> misc_feature

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<400> 146

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atgtcaacat ggggactacc cttcacagag ttactactat ttcaatggct cgtgcacac 420
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<210> 147

<211> 526

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte Clone No: 1329031

<400> 147

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gccctgaaca ccagagagtc cagcagagaa aggagtgcga gaagccacca gccagctgc 180
agccccgagc tctagcaggc tggctccgcc cggaagatgg aggtcaagca gaaggggcag 240
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aggccaaaga ggccccagcc gacaagtgat cgcccacaag ccttactcac ctctctctaa 420
gtttagaagc gctcatctgg cttttcgctt gcttctgcag caactccac gactgttgta 480
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<210> 148

<211> 2090

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1329031

<400> 148

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ctgtcagc aatgcaagtc tctgctgctg gctgctgctg gctgctgctg gctgctgctg
gcttagcctc atttccacca tctacatggc agcctccatt ggcacagact tctggtatga 240
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cattagtgat gaggcagatg aaaagactta taatgatgca ctttttcgat acaatggcac 360
agtgggattg tggagacggg gtatcaccat acccaaaaac atgcattggg atagcccacc 420
agaaaggaca gagtcatttg atgtgggtcac aaaatgtgtg agtttcacac taactgagca 480
gttcatggag aaatttggtg atcccggaaa ccacaatagc gggattgata tccctaggac 540
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cattctccat ctcttgcag gtctgtgtac actgggctca gtaagttgtt atgttgctgg 720
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```

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<210> 149

<211> 2403

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1514160

<400> 149

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gggagagagc agcagagacc tcctcagcag accaaggaag tgggtgggtgc tccccctccc 60
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cctgtcctgc aggggccctg gaatgggggc aagcagctgg gtgggcagaa tgcagagtag 180
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gaaagccgtg cagtggcagg cgggaccccc tctggtggcg ggacccctc ttgcggtggt 1380

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cttgcgggggc cagccggggac ctgtcacttt attattttaag gagtgtgtgt gtagagtgcg 1440
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cccttcattt caatccttga ctctctctcc ccttccttg cccagctctg ttgaatgctg 1560
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aaa 2403

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<210> 150
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1603403

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<400> 150
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tgactttgca actgaagctg aaggagtctt ttctgacaaa ttctcctat gagtccagct 180
tcttgaatt gcttgaagg ctctgcctcc tctccatct ccttcaggg accagcgtca 240
cctccacca tgcaagatct caacaccatg ttgtctgcaa cacatgacag ccattgaagc 300
ctgtgtcctt cttggcccgg gcttttgggc cggggatgca ggaggcaggc cccgaccctg 360
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aaaaaaaaa a 431

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<210> 151
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1652303

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<400> 151
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ccgtgcagg tcacagcctg atttgtggcc aggtggaca aattcctgag gcacaactta 180
gcttgcctt agcttcaag ctgtgctcgt gttgttctt cttgaaggca ctggccttgc 240
caacacacag gactgtaaga ggactctgag ctacgtgccc tgtgaagacc cccaggttt 300
gtcataggag gtcgttcagc ttcccaaag tcagaggtga ttgatttgg ggaagactga 360
atattcacac ctaagtctg agcatatct gagttttact tcttatggc ttgcccctca 420

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agttctctct ctcatacaca cacacacccct tgctccagaa tcaccagaca cctccatggc 480
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cttcttgttg ctccactcgc gaggcagctc ggaggtgtgg actccgattg ggctgcaggc 600
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aaaaaaaaa

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<210> 152

<211> 1114

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1693358

<400> 152

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aacgcggcgc cgggcggggc cgggccttgg agatggcccc cgggcgcgcg ggctggcggt 120
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tgtactttca agtgcgtgag cctggggaca ttcgatacat cttcacagcc acacctgcca 240
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tgagagagggg gggctgctcc tctctctcca agactcgggt ggtccaggag caccgggggc 420
gggcggtgat catctctgac aacgcagttg acaatgacag cttctacgtg gagatgatcc 480
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tcaatgtcac cagcatcccc acctttgagc tgctgcaacc gccctggacc ttctggtaga 660
agagtttgtc ccacattcca gccataagtg actctgagct gggaaggga aaccaggaa 720
ttttgctctt tctctctc tggggcaca tgggcttccc tccccaggg 840
cccccaaggg tgtctcatgc tacaagaaga ggcaagagac agggcccagg gcttctggct 900
agaacccgaa acaaaaggag ctgaaggcag gtggcctgag agccatctgt gacctgtcac 960

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actcacctgg ctccagcctc cctaccagc ggtctctgca cagtgcactt cacagcagtt 1020
gttggagtggt tttaaagagc tgggtgttgg ggactcaata aaccctcact gacttttttag 1080
caataaagct tctcatcagg gttaaaaaaa aaaa 1114

```

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<210> 153
<211> 2192
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 1707711

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<400> 153
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gagttgggtga ctccagcctc tttctcctgg aggtcacaaag atgatgattg cgtagatgtt 360
gcttgggtgca aagtgcacca aacagcaata gaaaggcata tgtataacca aactccaagt 420
gataaccaga cccatctctc ctccaccttg acaaaagcag attatagtat acaaggtagg 480
aatctctgtc ctatttgaga tgaactatat cctgtacctc tgtgctctgt gtctgcatga 540
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<210> 154
<211> 913
<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1738735

<400> 154

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cccatgcccc gggacttctc ccaccctcac caggacatcc ttccatctc ttgtctctctg 180
tgtgcaagtc cctttctctc ggattccatg tcttgaatgt ttcttaattt acttctctat 240
tttggcagag gatgtctctc agttgttttc tgggaatgct aatatgcaag tgaaccagtg 300
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<210> 155

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1749147

<400> 155

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ttgatggaaa atgcagaggc ccttctctc tgtgcctgc ttgctctctc tacctgcccg 180
ggtggtttgg ggggtgttggg gtttctctcc tggagaagat gggggaggct gtccactcc 240
cagctctggc agaatcaagc tgttgacgca gtgccttctc catccttctc tacgatcaat 300
cacagtctcc agaagatcag ctcaattgct gtgcagggtta aaactacaga accacatccc 360
ctccgcaatg gcacatgctt ccactccatc catactgcag tgcacaaata aacagatatt 420
ctccgcaatg gcacatgctt ccactccatc catactgcag tgcacaaata aacagatatt 480

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<210> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1817722

<400> 156

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caggetatta agaaaggcgg acccatgcac atgattttta aggttctgac aactgcattg 60
ctgttacaag ctgcttcagc tttagctaat tacattcatt tctccagtta ctccaaagat 120

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ggaatagggg taccatttat gggaagtttg gcagaatttt ttgacatcgc ttcccaaatt 180
cagatgttat acttactttt gagtctatgc atgggttgga caatagtcag aatgaagaag 240
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<210> 157

<211> 1746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1831290

<400> 157

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1746

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<210> 158

<211> 1746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1831477

<400> 158

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<220>

<211> 480

<212> DNA

<213> Homo sapiens

<221>

<222> 440

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 1841607

<400> 159

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<210> 160

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1852391

<400> 160

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<210> 161

<211> 1066

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1854555

<400> 161

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ctgctgctgt gtgtgctgct gtccagagcc tcggggcgcg cgaggttctc tgtcattttt 240
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<210> 162

<211> 1173

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1855755

<400> 162

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<210> 163

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1861434

<400> 163

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ccagggtata tttccttttt tccgacctg caacagcctc tttaaactgt ttaaattgaga 240
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accatgaatc tctctatgt cttcattcct ttatgggct tgctggctgg ggctttaaca 600
gaactcggat ataattgtct ttttgtgaga gactgactc taagtacatc atctccttc 660


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tattgctgtt caacaagtta ccattaaagt gttctgaatc tgtcaagctt caagaatacc 720
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gaatcacgga cttctagtca acctacagct taattattca gcatttgagt tattgagatc 840
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<210> 164

<211> 806

<212> DNA

<213> Homo sapiens

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<223> Incyte Clone No: 1872334

<400> 164

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<210> 165

<211> 1923

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1877230

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ccgccgtcag agccgcccta tcagattatc ttaacaagaa aaccaactgg aaaaaaaaaa 180
gaaattcctt atcttcacat ttttcagtc ttttcagctt ttatccctgt actctcagaa 240

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<210> 166
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1877885

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<211> 1631
 <212> DNA
 <213> Homo sapiens

<221> misc_feature
 <223> Incyte Clone No: 1889269

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1631

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<210> 168

<211> 1548

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1890243

<400> 168

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cctcttggag cctgtcagga actcctcact gtttaaatat ttatttattg tgacaaatgg 1440
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<210> 169
<211> 616
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 1900433

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<400> 169
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atggagagag tgaccctggc ccttctccta ctggcaggcc tgactgcctt ggaagccaat 240
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agcctaacac tggccccag cactcctcc cctgggaggc cttatcctca aggaaggact 540
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ctgccccac ccccc 616

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<210> 170
<211> 1981
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 1909441

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<400> 170
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tatcccgaaat tgaagccgtt ttaccacagt gtgacctaaa taacctgagt agttttgcc 660
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cttgcggtgca acatctttaat tcttacttag gtatatgtgga tcctttttata ttagtggttc 1200
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gagaatgtat atttgagaa gtcaagtcct gtttgtagtt tttatttaaa atgaatgtta 1920
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<210> 171

<211> 1492

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1932226

<400> 171

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gggtgtcctt ccccgacat cctcctgaa cccctccaa cacacctgag gccctgccct 180
gccagccagc tccctggact cctgtcccat ggccctctgg ccggcctctc ctttgcagt 240
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<210> 172

<211> 1613

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1932647

<400> 172

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<210> 173

<211> 1622

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2124245

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cctgtaaata gtggtgtaac ccgaataagc tgtcagactt tgatagtga gaatgaaaat 360
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gagattgatg gaaaacaagt tcagcaaaaag gatgtcactg aaattgatat tttagttaag 540
aaccggggag tactcagaca ttcaaactat acctccctt tggaaagaag catgctctac 600

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<210> 174

<211> 1320

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2132626

<400> 174

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<210> 175

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2280639

<400> 175

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<210> 176

<211> 1477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2292356

<400> 176

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<210> 177
 <211> 682
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2349310

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 tggaaaccac ctgccactgc cagtgcagtg tgggtggactg gaccactgcc cgctgctgcc 540
 acctgacctg acagggagga ggctgagaac tcagttttgt gaccatgaca gtaatgaaac 600
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<210> 178
 <211> 1508
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> 11, 139
 <223> a or g or c or t, unknown, or other

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2373227

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 ttcccagactg gaaagcgggc agtgagcgca acgcaattaa tgtgagttag ctcaactccc 240
 accccttccc ccgcgggcct cggttcaaac gaccgggtgg gtctacagcg gaaggagggg 300
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 gcggcggggg cccaaggcct gaccagact ccgaccgaaa tgcagcgggt cagtttacgc 480
 tttggggggc ccatgaccgc cagctaccgg agcaccgccc ggactgggtct tcccgggaag 540
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```

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aaaaaaaaa                                     1508

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<210> 179

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2457682

<400> 179

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gagcagaact gctctggggg cgtcttgaat cacttccgct cccgccagcc aatctacatg 180
agtctagcag gctggacctg tggggaagac tgtaagtatg agtgtatgtg ggtcacctgt 240
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cggttcctgt tctttcaaga gccggcatcg gccgtggcct cgtttctcaa tggcctggcc 360
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acctgtgtgg ccttcgcctg gctttctgga agatgacagc ctgtagctgc tgaaggaaac 480
agaggacaag ttcaggctgg actgaagacc cttggagcga gtcttcccca gttggggata 540
ctgccccgcg cctgctgg                                     558

```

<210> 180

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2480426

<400> 200

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cttgaggtct gggaggagga aagcggagcc ggcagggagc gaaccaggac tggggtgacg 60
gcagggcagg gggcgccctg cccgggagaa gcgcgggggc tggagcacca ccaactggag 120
ggtcgggagt agcgagcgcc ccgaaggagg ccatcgggga gccgggaggg gggactgcga 180
gaggaccccc gcgtccgggc tcccggtgcc agcgctatga ggccactcct cgtcctgctg 240
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ccgggactgc cgggacctcg aggggacccc gggccgcgag gagagggcgg acccgcgggg 360
tccgagatcc gggggctctc gctgtctg cgcaccttgc cctcgacccg gggcgggaga 420
acgagcaagg acattacgac gc                                     502

```

<210> 181

<211> 1659

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2503743

<400> 181

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gcaatatctg tcttatgaaa cgctctatgc caatggcagc cgcacagaga cgcagggtgg 420
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gcatagaaat aaaaaaaata ctgatttggg gcaatgagga atatttgaca attaatgtaa 1560
tcttcacgtt tttgcaaact ttgattttta tttcatctga acttgtttca aagatttata 1620
ttaaatattt ggcatacaag agatatgaaa aaaaaaaaaa 1659

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<210> 182

<211> 2015

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2537684

<400> 182

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taagctctct ctcaatttag ccaagccaga ctttgagacc gaagccaaat tagaagtatc 240
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gtgaagcagc ctctagctt cggaagtacg gacactacgt cgcgttttca agcgtgtctg 360
ttctgcagggt aacagcatca agctgcacgt ggaagcatct cgcggttttc tagaagcagg 420
cattttctta tccctctccc gctccttttt ctttaaggtt gattttctta atgaaagcag 480
tagtaaaagt aatgaattac tgagtttata cagaaattta ggtaacttct cctttagtct 540
caagagcgag tcttgctttt taatgggtgc cgtttatggt gctgcccggc ctgtgtgctt 600
ggtctctctg ggtgccttgg tgtctgtgtg tggctgagag tgggcgcagc ggaggagagt 660

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```

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cgctgcctgg cagccaaggg tggttggtgc gaagctggga gtggcctctg gtggagcctg 780
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<210> 183

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2593853

<400> 183

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aagtgggcag cagtcagtga gtgtcaacaa tgaacacaat gtggccaatg ttgacaataa 180
caacggatgg gactcctgga attccatctg ggattatgga aatggctttg ctgcaaccag 240
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tctctcctt ctcctcctt tcaacatca ccccttca cctgggtg cctcctcctt 360
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cggaaaaaac attgcaaaca tgtgtcgtgg gattccaaca tacatggctg aggagatgca 480
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ggacatttcc ttctgtggag acacggctgg gaactaaaca attttttaaa gccactctgg 600
atttagtcat ctgaatatgc tgtgcagaaa aaatatgggc tccagtgggt tttaccatgt 660
cattctgaaa tttttctcta ctagttatgt ttgatttctt taagtttcaa taaaatcatt 720
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<210> 184

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2622354

<400> 184

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atgctgtgccc agccacacaa gagatgtggg gacaagtctt acgacccctt gcagcactgt 180
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cccatttcac tctgtgacct gtctgaggcc caccctgcag ctgccctgag gaggcccaca 540
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ctgaaccttc ctgatgacct ctatggccaa catcaaccgg gcaccacccc aaggctggct 660
gggaaccttc caccctctg tgagattttc catcatctca agttctcttc tatccaggag 720
caaagcacag gatcataata aatttatg 748
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<210> 185

<211> 648

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2641377

<400> 185

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aatctgattg gctcagttcg ccagataact caactttccc attggctacc tttgggtcag 180
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tcttttggag gcctgggcag gatttacaga gggctccatg ccagctcctt cctgccgggt 600
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<210> 185

<211> 2110

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 257

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 2674857

<400> 186

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cagtacgacc atcttgagtt ccccgagtc gtccccagga cgttcctcgg gccagtgggtg 480
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<210> 187

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2758425

<400> 187

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tgactccggt tcaggttggc cttcattcca cgatgtgate aattctgagg caatcacatt 420
cacagatgac ttttctatg ggatgcacag ggtggaaaca agctgtcttc agtgtgggtc 480
tcaccttggg cacatttttg atgatgggac tegtccaact gggaaaagat actgcataaa 540

```

```

ttcggctgcc ttgtctttta cacctgcgga tagcagtggc accgccgagg gaggcagtgg 600
ggtcgccagc cgggccagc cagacaaagc ggactctgag agtaatggag agtgatggaa 660
acaaagtgtg cttaatgcac agcttattaa aaagatcaaa attgttatcc taatagatat 720
atTTTTTcaa aaactataag ggcagttttg tgctattgta atTTTtctc ctt 773

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<210> 188

<211> 714

<212> DNA

<213> Homo sapiens

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<223> Incyte Clone No: 2763296

<400> 188

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attggcttag gggtactcgt gctctcactc agctcccacg ggactcaaga atgcggcgcc 660
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<210> 189

<211> 609

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte Clone No: 2779436

<400> 189

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<223> Incyte Clone No: 2923165

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<210> 202

<211> 1551

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1229438

<400> 202

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<210> 153

<211> 936

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1236935

<400> 203

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atccctttct ttaaaacccat tgcttcatct gggagtgggt gtccatgcct tggcctccca 180
aagtgtctggg attacaggcg tgagcaccgc gcccgccaa ctatagtgtt ttcaaacat 240
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gtaaaaattc tgccttggtg aactttggtt ataattgttt agataatgca ttcacatggt 840
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<210> 204

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1359283

<400> 204

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tggtgtaact ctgcttttga gctaattgga aagcttgggg caggtggagg accggttctt 180
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<210> 205

<211> 971

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1450703

<400> 205

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tcccagcaat atgcattctg caggtctggt cggtccctgc tccctccttc tgctactggg 60
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tgcccatgag atcaaccatg gtattggaca agcaggaaaag gaagcagaga agcttggcca 420
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ccacactggg gtcaccagg ctgggaagga agcagagaaa cttggccaag gggtaacca 540
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<210> 206

<211> 1832

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1910668

<400> 206

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<210> 207

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1955143

<400> 207

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<210> 208

<211> 1303

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1961637

<400> 208

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gagcctgatg tccatgatcc aggtggctct gagaagcttg gcctggacac ctgagcctgc 180
ggcgggtact cctgccttct ccccatctat cccaaggcc tctgcctctc agcctcttcc 240
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tcaccctatt agccacgata gtctcgatct cctgacctcg tgatccccc acctcggcct 1200
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<210> 209

<211> 1355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1990762

<400> 209

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<210> 210

<211> 776

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1994131

<400> 210

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agaacagtgc ctgttttctc ttccctgaa aacacatact ttgacgttgg ctgacatagt 240
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caccacgcca aactacgccc gccgacagaa acatctgcaa agatacagtc tgactcagtg 420
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ttaatttttg tcatcccatc agcaatgaaq gtccctatcc agggctcctc ttgaacacac 540
t cttt tttt tttt gatttt 600
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<210> 211

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1997745

<400> 211

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<210> 212

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2009035

<400> 212

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ttaatgatat gatgttgcag ccagtggatt tattacagtc ttacttatta ttgctctact 180
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acagtggctc atacctgtat tcccagcaat ttggggagcc aagggtgggg tagactgggt 420
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aaaaa 540

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<210> 213

<211> 509

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2009152

<400> 213

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tatataaaaa gttttaataa ataccttaata tattatttaa tatgataaaa cttatatataa 180
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<210> 214
 <211> 1130
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2061752

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<400> 214
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aatgtttccg tttgggaaga tggaaagttt tggagatgtg tgatggttat ggttgcgcaa 1020
caatgggaag gtacttagta ctgcttaact gtgcacactt aaaaatggta aaaatgataa 1080
attttgtgta tgtcttaaaa caataaaaga agttttttaa aaaaaaaaaa 1130

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<210> 215
 <211> 1073
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2061933

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> 2.
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tccttcttta tgtcttcccg caaggtataag tgcagtttgg aagcttccg ggggtgcttc 240
cggtaacggc cccacactcc aggtcgagaa agagtaatta ggaggcctga ggaggggccc 300
aggaaaggct gttgggggtg getgggggtg gtaccggagc gccttccctt cacttcaacc 360
agagaagagc atccggttgc tttttaaaagc ttttagcctg ccctagcaag gacaaagcat 420

```

```

gttagattag agatgcttct gctgategca ggggttctta tttgaaaaca tctatgatgg 480
gggtgggggtg ggaggagaca ggttggtggtt atgcaggaaa atcttgctct aaaaatatat 540
gagtttgggg gtaaggggtg ggatagccaa gcaaaatcag taattatatt aaaaatgaaca 600
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aataaataat ggaatcttag aggaaaagt gtttttttaa agctagggaa ctctccact 1020
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tgataaagaa atgttaagag tagtgaggtt gaggaaggaa attgtgggga tttgaaatat 1200
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gaaaaaaaaa aaa 1273

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<210> 216

<211> 1279

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2081422

<400> 216

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cactcattcc ctttctctct cccccacccc ttcttccct cactttcttc ctttctcac 180
ttctccttcc cctctgtgc agagctcttg gcaccagtc aactgtccca cccctcaggg 240
ccctctcagt gactgatgcc catggctccc tctcctaca cccaaagacc ctggcttgcc 300
catgtctctg atgagaattc aaaggagct gtgtttatat aactgtagg gatttacctg 360
tggttttccc ttactcact tctcaaaac tgtacattta tggcatagga tgtcagtcct 420
aaaagtttta ttatcaaac agtaggtggc aagtaattat tatcataaat ccagcagggt 480
ctagagaagc caagttggag gagaaagcag gatagagtc accatgacca ttgattggtg 540
ggcacattct ttctaagaaa cagattaatt ccattgtatc tgcctctctg tatcccatc 600
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gcgttcagc ttgaccacag cgtttgggtc tttctttaag tgttggtgtg taatgcttgg 720
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ctgacaggca gttctttgag tagtcaaatt aagatgtaat ggttgaattg tataatggca 1200
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actaaagaat gagggggggg 1279

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<210> 217

<211> 899

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2101278

<400> 217

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tgggaagata ggtttgtgga gtggcaccca caggactgtg attgtgtgtg ggctgcccc 180
acattttctct gggggatgct tatgtgagag tggggccagt gaaagagtta ccaagccacc 240
cacaccccta acactgttct ggatgagaga tgagagcaga ccggcttctc cccatcagtg 300
cattgtgctt gttgtacacc cctggaggag ccctggagcc agcccagggt gggtaacaaa 360
tctttttaaa tcccatatgg ttgccagctt atttctttca cttgtttact gtaatatctg 420
gogtgttttt atttatctaa ttttgtattc agttataacc atggtagggg tagtgaatat 480
atgacagggtg taatccctgg tgcgtcagtg gaccttcttt tcttttggac aagataatac 540
tgtgagtttc cctccttctt tccctctaat ttgttttctt ttttcccca gcctcttgca 600
tccccttctt ttctaccctg tctacaact atcatatgca cagtcttctc tctttgtgtg 660
tgaactgttac aaaatttcac ttttcaaaat cgaaatcagg tgtttgctca aatgagggga 720
gatttttttt tttttttttt ttttaaatgc tgagacttca gcagagtact ttccttttgg 780
tggtttcccc caaaaaccca tcagtctggg agagcattgg gagtggaaat catgttgctt 840
gggatgctgg tttctttgaa aattatataa aacgtatgta aaaggtcccc ccatttggg 899

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<210> 218

<211> 645

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2121353

<400> 218

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caaagtgcctg ggattacagg tatgagccac cgcaccgggc ctgttctatt tttctagtta 60
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ccccggcttt tcccaggcag gctcctgcgt gccactggc tccagcctgg tctctgtct 180
cttggtctgt tcactcctgc tctttgtccc gactctggcc ctgcttacag gggccactac 240
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cctacaaaca aacagcagta cttgccagaa ccattcttgg gattcaggag ctcgggcgac 420
tgctttggcc tctggccgca cccaggaggg tggggttgga tctgtgtagt tgccaggccc 480
acacctgcca gcagggggc gactggatcc atgctttact gtgtttaatg ggggtaacag 540
gggtccctac agccctccca gctaaacatt tggaaacaaa caccagcct tttgtagtgg 600
aatttcttaa tccatctcga tccatctcga tccatctcga tccatctcga 660

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<210> 219

<211> 703

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte Clone No: 2241736

<400> 2

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aatgtatata gaagtataca gactatacaa agactgaac agtctcttct tgcattctta 180

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ctctataaca ttaccgcaga aatTTTtggtt ctatgtagca tggacctcct aaggaattct 240
gtttctttta gcattgagat ccctgggtgct cttttttttac ctcagaattg gtacaatcat 300
tattaaacgt taatttattt caaacttttt aattgaaaaa aggaaagga aacttaattg 360
gggataaatt caggcatcat attattatga tagagtctcc tgagtgggtc gtctataggt 420
aatgaactca ttgggtgttat ttcttggaca tcttggcctt ttaatcaaag actgtgtgct 480
gctatttgct atgagcaagg tttctcaaaa gcaaaagggtg cttggaccat ttggatcacc 540
tgagttagaa tctctaggtt tagggcccag gtatctgcat tttcacaggt ttctttaggt 600
tgactttctg caagctaaaag tatgagaacc attggcttgg atgtagttct aaacttttag 660
gtctgtaaatt cttgaaatct tgaactgaag gtcaactatt ggc 703

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<210> 220

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2271935

<400> 220

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ctttcatcat aattaaagtg ctgtcagga aaatggcatg gctgagtttt gctgctgttg 60
aaatgacctt cctctccac tctcttcgc ttctctcatt tgctaaagtg gtcctttctc 120
tgctgaaat caggcccttt ggtgatggaa atttttagctt aaagcagagt tctaagcaga 180
atcctaaccc tgcgagggtg gggagaaaat caatgttttg agctgggtgc tgtttgcagc 240
gaggtgctgg tgaggccatt ttcattcagga ggaacggtgg tgggtggctac ttctgggctt 300
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ttggaggctg attttccccg ttgacttagc tagggtcagg aggaagctgt ttagaagtac 420
agaggttctg catctgggag ggtaaaatcc aaacgcctct catgctcaga gggaaagcat 480
gctgcatgt ttactatcac tgctggccta cgtgcttgtg tgctgaattt agatgg 536

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<210> 221

<211> 790

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2295344

<400> 221

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ttgacgtttt cttataatga gtttttcttt ataattttta atttatgctg taatgtttct 120
tatttacaat gttatctctt aaatctttga gtacattaca tttctccccc tgataatctc 180
ttctaaatta cttctcttag ttggttttct tcccttcctt aatgttagcc attcttcagg 240
tgaagggttaa tctcaatgt actcttcctg tttaagggga gggctctaaa ccttggtgggt 300
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tctcagtatc tttagttttt cttgggctgg tcaatatttc aagagaagac ttttcatttc 420
aagcaactcag gaggatgca tcaactttct ttggaacaaat accttctatt gtaactgtgc 480
ctcagggtgcc atagtcacac gagacttctt ttacctgtcc agagaataaa attagttgtc 600
tgttggggta acaaaaagtg tggagctgaa gagggtacct ataaatgaag ttgttttctg 660
gaggggggca gtgctctcag tctcaatcc cgggcttctt ttaggctctg gtaggctctc 720
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aaaaaaaaaa 790

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<210> 222
 <211> 1045
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2303994

<400> 222
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 tttgaagatg gaacaggaaa ctagagtgc tttaaaatac tctgtcttca ttttaacatg 180
 ttgaatggaa taactgcata tcaccatgag tttgttttgc ttttcataca gacttgatg 240
 tgtcatttga gtggtttcca gattggagcg aggttattct gatctaaatg aacagcattt 300
 ttttccttag cctctgtttg ccactctggg tatctctcct atggggcaag ccattagaaa 360
 tgcataaaac ctgcagacat ggtttttggc aaaaactcca tgactttaaa ctagctcttt 420
 tactactgac ctttcacaga gaaaaaatat ttcccttgaa aaaaactggg cttgtcattt 480
 tttcccttgt agctttaagc agagacataa gtgccttgca ttacacatag taaactttct 540
 ttaaaaaaaa aaaaaaagat tttggagact accagggtaa gattccaact tgtccaaaag 600
 ctttctggcc ttacatattt tattataaaa attctcaagt ctggtaatct tctatgtcag 660
 agctagtgat ttcaaaaggc ttcacaattc cccaagacaa aagtgatttt cgttcattat 720
 aataagggtta agtgatatgt gattcataac aattttgatg tgaagaaggg aaggacatca 780
 ttgacttaat aatagtatca gtcggtgcaa cagttggcaa catgtgcctt cacactttac 840
 cataaagaga cgggtttgag ggtttgcctt ctaaagtctg caacttcaag aaaaaaatc 900
 gacaccgtgg attgaccttc ccgggtccac taatataaag ccaataaagc ttaaaaaacac 960
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<210> 223
 <211> 553
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2497805

<400> 223
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 ccaggacacg cagttggtga ctccctggcg ggagctgctt cccactcggt cctgctctcg 180
 ccgtcttctc tttcacagtc ctccaggctt gggccagcct tgggggcagc agagcttctg 240
 ggggtgagtgt cgagatcctg tgtcctgaga gcggtagtca gggagagggc tggtcggggc 300
 agggctgccc gggcaggaca caggatgcgg ccggccaggc tggggccaag gtgttcagac 360
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 tcatttggtt ttgctttttt tgtttgtttg ttttcaccta atttttgcca gacttaagct 480
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<210> 224
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2646362

<400> 224

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agacaccagc ctctgatggc tcaggaggac ttgtggggag aggctggggg caccatgtg 180
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ggggctattc acttttatat atttatataa aattagtagt gagatgtaac aaaagcttta 600
ttggtgtgtt tgagctggtg ggtgccacat atttggggat ttgaagaagg aggtgagatg 660
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<210> 225

<211> 509

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 492

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 2657146

<400> 225

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tgatctgtca atgtttaagg ctggttggtg ttcttgtgac ttgtctaata tgtttttctc 180
ctgacagggtt aacctgccct cttaactcag cagtggttct agcgtcctat gccgtaaat 240
gtaagtccaa aagggagcat ttcacggatg gacaggttgt tctgatcagt gtgtggagaa 300
agtcactggt tctcctgct tgaccaagtc cctcttccc aggaatcctg ctgggcagca 360
tatctctggc tgtccagata tgtgtttcta ctgagactgg cactctcctg tagcatggg 420
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<210> 226

<211> 2153

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2755786

<400> 226

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gaaggcggtg gctgaggcgg ttccggaggt tctagtgtcg gagttgggtg caggcagggtg 60
ccatggggccc gcttgaggca cactgagggg acgcgggggt gggccatggc cggcgctcgg 120

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gccgcgcgcg ccgctgcctc ggcggggtcc tgggcctctt caggcaacca gccgcctcag 180
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accacccctt cttgtcactg tctcccaccc accccatctt tgctgggatt cccatcaact 1980
ctcagaactg tgtggggttt cctggggccc ttgtggaagc catgaactca caaagaccct 2040
acctgtcagt tcttgtttct ggggaggagg gatcacctgc actgagaatg aggcagtttg 2100
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<210> 227

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> Incyte Clone No: 2831245

<400> 227

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gaagtggta taaa tga agttctcgt gtatggcttt tgctcctatt tatgtggaaa 180
tca tga ttcag 240
gtgcacacac tctccttg ctaggggtt tggctgggtg tgcctcttc tggaggtct 300
cactagcact cttgagttag ctggcaggag atcccttaaa accatttcca agcagttttt 360
ctcacttccc tataggggct aatcctgtac ttccacttc agttccagct gctgttgctt 420
ataagaacaa aaatttctgc tgccttcca atctcaggt gg 480
tgaggtgggt ggatcacctg aggtcagaag ttcgagaaca gcttagccaa catggcgaaa 600
cctgtctct actaaaaata ccaattttgc tgaactgtat ggtggggg gtttccccca 660

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gtacttggga ggctgaggca ggaaatcgct gaactcggga agcaaagggt gcattaaggg 720
tacgagctcg aattcggtat catgttaaaa cegtttccgg gttaaattgg tatccgccca 780
caattcccac a                                     791

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<210> 228
<211> 870
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 3116250

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<400> 228
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tgtgccctcc ccttaccag gcttaggctt aattacctga aagattccag gaaactgtag 780
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<210> 229
<211> 764
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 3129630

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gcggcaggag ccgcgcgcga cacctgaagg aaaattgggc cgatttccac ctatgatgca 180
tcataccag gcacctcag atgcccagac tctggggct cgtttccaga gctctcacct 240
tgccgaggca tttgcaaagg ccaaaggatc aggtgyaggt gctggaggag aggttagtgg 300
aagaggtctg atggggcaga ttattccaat ctacggtttt gggatttttt tatatatact 360
gtacattcta tttaaagtaa gtagaatcat cctaactata ttacatcaat aaaaattctaa 420
atccatcact tctttaaatc ctgctctctc tttctgagge acttgggata gcccagattt 480
cagtttcaca taagaatgtt tactcaatgt ttaagtgtgt tgccccaaaa ttcccaacta 600
acaaggcaga actaggggac ttgaccttgg gacctttttg ggctcctaac tccaggttaag 660
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<210> 230
 <211> 540
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 007632

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 ctcatgaaga cgcgcgctta actccggagg agctagaaag agcttccctt ctacagatac 180
 tgccagagat gctgggtgca gaaagagggg atattctcag gaaagcagac tcaagtacca 240
 acatttttaa cccaagagga aatttgagaa agtttcagga tttctctgga caagatccta 300
 acattttact gagtcatctt ttggccagaa tctggaaacc atacaagaaa cgtgagactc 360
 ctgattgctt ctggaaatac tgtgtctgaa gtgaaataag catctgttag tcagctcaga 420
 aacacccatc ttagaatatg aaaaataaca caatgcttga tttgaaaaca gtgtggagaa 480
 aaactaggca aactacacc tgttcattgt tacctggaaa ataatcctc tatgttttgc 540

<210> 231
 <211> 857
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1236968

<400> 231
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 cctgggtagt ttgcacggtt tggctggaaa ccacagtcct cccatctctg ccagaacccc 180
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 tgattaaaaa aaaaaaa 857

<210> 232
 <212> DNA
 <213> Homo sapiens

<221> misc_feature
 <223> Incyte Clone No: 1334153

<400> 232

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actgcagtgc ttgttgagc tgtagaatct ctgagctgcg tgccgtgtaa ttcattgggaa 180
aaatcctgtg tcaacagcat tgccctctgaa tgccctcacc atgccaacac cagctgtatc 240
agctcctcag ccagctcctc tctagagaca ccagtcagat tataccagaa tatgttctgc 300
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gatgccctgg accctccctc gaagaacgtg tccagcaacg cagagtgcgc tgcttgttat 480
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gtctttctag ttgcagaact taagaatgac attgagtcta agagtctctg gctgaaaggc 600
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<210> 233

<211> 1981

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1396975

<400> 233

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cacgcagtga ggaatctttg tacttaaggc cagggaaca aagtcaagag gtcaagggtg 180
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gacctcttaa acccccatcc cagcaccoca tctgttgtt ccagagctg gtctcccatg 360
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catacaccac agaagacttc ccaaagtagg ccagactcag ggtcacgggg aatgtgcttc 480
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gccatcaaca gtgtatact ctggagcctt ctactgataa acagaggccc cagaagacga 1560
ttgaacttac ctgagctccc agctgggaat taaaccagg tgtgtctgag tcacaactct 1620

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tcgggggatgc cgtgggtgagc tggggctgag ctctgtatt cccactcccc cccccaccc 1680
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a 1981

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<210> 234

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1501749

<400> 234

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ctcctgctcc tgtgctgggg cccaggtggc ataagtggaa ataaactcaa gctgatgctt 180
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gaggtgcagc agtgggtacca gcagtttctc tacatgggct ttgacgaagc gaaatttgaa 360
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taccaacgtc actatgatga agactctgca attggctccc ggagccccta cggctttagg 480
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gctctatttc agcagatctt ttctacctac tttylgtgat caaaaaagaa gagttaaaac 660
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aagcattttg ttaaaaaaaaa aaaa 744

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<210> 235

<211> 979

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1575249

<400> 235

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acagcatgac accacaaaa agggagcctc cagctgcacc cctgctgctg cgagtacttc 180
ctcagctgtc tgccatgagc ttaaggttaa gtaccaggag ggaggatatg attgggcaaa 240
cctcaggcat gtgttcattc tgtagcttcc agaacatgcg aggagagagc atctggctcc 300
c ggc
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cacccccata ttcccatgag cgcacctcag aaatcagggt cccacctgac ataacacaac 480
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agctgcttca ctgtt atctctc cagccc cctctctcagaggtg 600
ctctccctct ggtttggta tggctctctc tgttctagaa tgtatggytt tgggt 660
gccacacat gccctcggca gtgtgggtcca aggaccctg agggctctca agtctctcc 720
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gaagcagcta tgaggatgca gcagccttct gttaagccag gctttaagga tctgcaaaaa 840
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atTTTTTTTaa ggtaacatgt aatggatgta tagtcttcaa atggatgaat aaatgttttt 960
cagagttaaa aaaaaaaaaa                                     979

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<210> 236
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1647884

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gtcctctggga cccggccggt tacctgtctc actgcccttg catgggtaag gcctcccaag 180
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tgatttttca ttgattcagc aaatatattat ggggcacctt ttctgtgccg gccctgttc 540
tctgtactgg gaataccgca gtgaataaga taaactccgt gtcctttag agccttcatt 600
ttagttgggg aagacaaaca attgagaata agtaggccag gcgcggtggc tcacttctgt 660
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ctaggcaaca tagtgaaaat ccaatctcaa aaaaaaaaaa 760

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<210> 237
 <211> 1080
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1661144

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gc a
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<210> 238
 <211> 1129
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1685409

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<210> 239
 <211> 2370
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> 121, 124
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<220>
 <221> misc_feature
 <223> Incyte Clone No: 1731419

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caaaattagc tggcgctggt ggtgtatgcc tgtagtctta gctacttggg aggctaaggt 2280
gggaggtggc tgaggtggga ggatcacttg agcctgggag gttgttgcag tgagagccat 2340
gatcgcgcta ctgggcaata gagcagaacc 2370

```

<210> 240

<211> 981

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> Intron cleavage NO: 2000200

<400> 240

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cggactgccc tgagaaagg aaagaagtgt cactaagtca acccaagca cctgacatga 60
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cctggtctct gtcccttttc gtactcaaag ctctgtcctc cagggagggg aaaccggaga 180
taggtctctt gcccgggg cagacactct gtacacgcgc aagcttgc agcctc gac 240
ctccctctc ctgctctctc 300
ggcagatctc tgggtctgag tagcgggcgc tggcttcttt cttgctctct tggctgaga 360
ttcgctttt tgtggtcttc cagtttttag gaactttact tttgcagttt cctggagaac 420
tgagaaaatt ctttaccggc tggatgtggg ttggcctaag caccagaat attttaccgg 480
gataatctc ttgttgag ttgctcgc cctgtgtggt ttgtgtacatag gtcgaacatc 540
ggataacatc ccaaagatat tagtgttcac agaggatgga tatttcttac gagcctggaa 600
ttatacagtt gacacacctc atggtatatt tgcagccagt actctatatg aacaatccgt 660
ctggatcacg gatgtaggaa gtggtatgta tagtaataac tattaatta tcttactgga 720

```

```

aatcacatct ttgcacatgt ccttggttgt attgttttaa atcagagttg ctgaatctaa 780
ttgtaatttc ttttaacgatt catgaaatca catgttttta acaaacttta ttttgtactt 840
ctgtggaatt aagaaattta acaagggctg gacgcctg ctcgcctgt aatcccagca 900
ctttgggagg cggaggcggg cggatcacga ggtcaggaga tcgagacgat cctggccaac 960
acggtgaaac ccccgctctcc a                                     981

```

```

<210> 241
<211> 1204
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2677129

```

```

<400> 241
aggagaggaa ggtaattaca ttaagcatta taatatagtg tgttaaattgc taatgatcat 60
aatcattgaa cccctctcag tccctcatct attttaaatt ggtatttttag cagacttttt 120
tgccttactg ctattaatta attttttttt ggtctctttc ttcttgctt accctttgtt 180
taacaaccaa atcaactcta gatcaatgaa tgaaataaaa aatctccagt acctacctcg 240
gaccagtcaa ccccgcggaag ttctctttga agataggact agagctcatg ctgatcatgt 300
cggtcagggg tttgactggc agagtacggc tgcgtgttga gttttgaaag ctgtacaatt 360
tggtgaatgg agtgaccaac ctgcataac caaagatgtg atttgttttc atgctgagga 420
ttttactgat gttgtacaaa gacttcagtt agatcttcat gaacctccag tttcccagtg 480
cgtacagtgg gtagatgaag ctaaactaaa ccaaagagg cgggaaggca ttcgttatgc 540
tagaattcag ctttgcgaca atgatatcta ctccatccct agaaatgtca ttcctcagtt 600
caaaacagtt tcggcgggtg gcagcttagc ctggcatata aggccttaaac agtaccaccc 660
tgttgtggaa gccactcaaa acacagaaag caattctaac atggactgtg gtttaactgg 720
aaagcgagaa ttagaagttg actcccaatg tgtgaggata aaaactgaat ctgaagaagc 780
atgcacagag attcagctgt taacaactgc ttcctcatct tcccacctg catcagaact 840
taatctacag caagatcaga agactcagcc tattccagtt taaaagtgg aaagtagact 900
ggactctgac cagcaacaca atctgcaaga acattcaacc acttctgtgt gatatgtaca 960
tattcaaaaa cattttttta ctttttttaa ttttgatgtg aagttatagt tttataactg 1020
gcttaagtta agttttattg gagaaatctt gctataatt ctataaagag aaatgacatt 1080
caciaatgtc agcatatctt tttacacaga tatgcaagtt agagtgtatc tatccggtag 1140
tacgtatgta taagtgtgtc gcgcacttct gttttaaggg tgagggtacat ccatctctct 1200
cgag                                     1204

```

```

<210> 242
<211> 781
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 3151073

```

```

caagcctcag cctgcaacag ctggtctcgc atgtcccttg ttcctgggctt gctcttgggt 60
ttcgttctcc tccgtgtgtg tagccctgtg taccttccct ctggttcacc ctccacattt 120
cccctctctg agcccctcag ctttataggg atgtcagctt ggcccgaatg tagtcccatt 180
tcagagca cctctctc ttcctatgag ccattcttcat ttccatctg gctatctctg 240
gtatgtacat tgcattgaaat aaagtgggaa tgtcccagaa gcagaaggac atctgatgca 300
gtccacgcca ataaattggg cttaccttta aaaatcatct gaatatgcag gtcttagggc 360
agagaatata gacagcttaa gattttctaa actacaagtc ccacccaaaa taagggtatt 420

```

```

tcattgatttc ccaaagggtg accatcagca agactggata tttttcagac ttaagatgac 480
tgttcagtag ctgatgttct ggaaaagatc tgggccttca ccatgaaatc ttaaagtgtga 540
gcagttactg gatgttgaat ttgaaacctt ttcattttct tttttaaaac aagcttggtc 600
attttctgtgc aatgctataa ttcggaacga aacaaagcac aatgttaata aggttagacac 660
taattcattc ctctgaagag agatctcttc cagacatttt aagccagggc aagaaatgtt 720
taaagatgtt ttctgcagtt gccgtagaaa cactccttag cagtcattct ggctgttggt 780
aaaa
784

```

<210> 243

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3170095

<400> 243

```

ctccattaaa ccaccaccag ctccccaagc cacccttca gccatgaagt tctgtctct 60
ggctcttgga gccctcgat tctgaccca ggtgatccca gccagtgcag gtgggtcaaa 120
atgtgtgagt aacacccag gatactgcag gacatgttg cactgggggg agacagcatt 180
gttcattgtc aacgtttcca gaaaatgctg catcagctac tcttctctgc cgaagcctga 240
cctaccacag ctcatcggt accactggca atcaaggaga agaaacacac aaaggaaaga 300
caagaagcaa caaacgaccg taacatcata ataaccactg ctatcgctc caccaactca 360
gagaaatata atttccacag ttccaattcc tctacattg ctgagtacta gccaaaggctc 420
ctcttt
426

```

<210> 244

<211> 1732

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 1651, 1655

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 3475146

<400> 244

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cgggaccaga gcacgttctt ggctgcagag gccacaagtc acgtgtcttc tgagagtgga 60
atgtcaccat ccccaagata ggaattttta tatattttat tcaactgctgt acacccaacc 120
cccagcacag cgctgtccc ggaacaagtgc ccagtaaaca cttgggaagc aatgcaagcg 180
tctcccagc agctcctgca aacagacccc cgacccaagc ctttcttctt gctccactg 240
ccaccactgc tctcattctc tgctggcaca gaagtctctt ccttggctct ccagaaatcc 300
gggac
cagc
agcaagctcc tctctagggt atctctgttg ctgggagaat caacctagg cctctctctc 420
tggtctctgg ggctctctct ctgacctccc tctgtctctt ctcccagcct tctctctcac 480
tcacctcca gccatgtctg ctctctctct gctcctgaaa cagcctgaga gccacactgc 540
cctggcct ttgctctg tctctctct gctgggagca cctctctctc tctctctctc 600
ggctcctctc cacaactcct tcgggtgccc acatgggaag ccatccttga ccaccccccc 660
gacttctctc tgagcaaggt agggctcttc tacctagtca tgagggcagg gatttttgtc 720
tgttgtgttc tctgtgtgct cccagtgcac tcccagtgcc tggcagatgg taagtgtctg 780

```

```

acacacattg gctgactgcc tgaatgaaca actctatgag cccgatggcag ataaggacac 840
tgaggtcctc tggggttaggt gaccagccca aggccacaca gctgggtctga gattaggcca 900
ggagaggagc cccgggttggg cacatcctgg agttggcgtc ttggaaactg catcaggaga 960
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aatgtgacct tgggcaagtc acttcatctc tctgggtctc gttcttcac tggaaatggg 1440
acaataagag tacctgtctc tggccatgtg tggtgactca tgcctgtaac cccagcgtt 1500
tgggaagccg agccgagaga attgcttgag accaggagtt tgagatcagc cctgggcaac 1560
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cctgtagtc cagctattct agaggctgag ccggnaggat tgcttgagcc cagcagttt 1680
aggctgcagt gagctatgat tatgcccggt aaggccccc aaaaaaaaa aa 1732

```

<210> 245

<211> 918

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3836893

<400> 245

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ctggtgcaca ggaaggatga ggaagaccag gctctgggg ctgctgtgga tgctctttgt 120
ctcagaactc cgagctgcaa ctaaattaac tgaggaaaag tatgaactga aagaggggca 180
gacctgggat gtgaaatgtg actacacgct agagaagttt gccagcagcc agaaagcttg 240
gcagataata agggacggag agatgcccc gacctggca tgcacagaga ggccttcaaa 300
gaattcccat ccagtccaag tggggaggat catactagaa gactaccatg atcatggttt 360
actgcgcgtc cgaatggtca accttcaagt ggaagattct ggactgtatc agtgtgtgat 420
ctaccagcct cccaaggagc ctcacatgct gtccgatcgc atccgcttgg tggtgaccaa 480
gggtttttca gggacccctg gctccaatga gaattctacc cagaatgtgt ataagattcc 540
tcctaccacc actaaggcct tgtgcccact ctataccagc cccagaactg tgaccgaagc 600
tccacccaag tcaactgccg atgtctccac tctgactct gaaatcaacc ttacaaatgt 660
gacagatata atcagggttc cgggtgtcaa cattgtcatt ctctggctg gtggattcct 720
gagtaagagc ctggtcttct ctgtcctgtt tctgtcaag ctgaggtcat ttgtacccta 780
ggccttcgca cccacgagaa tctctctgca ctctctctc ctctctctg gctctctctg 840
caaggagaga cccacggggt cccacggggt gggccgga cccacggggt accgctctct 900
accagctaaa aaaaaaaaa

```

918

<210> 246

<211> 676

<212> DNA

<220>

<221> misc_feature

<223> Incyte Clone No: 4072156

<400> 246

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```

```

gtaccatttc cttcgccctc ttctgccctc ctgggtccttg gcaccccagg gctcccatgg 120
gtgctgctcc caaaacccca aagcaagcat ggaagagcag accaactcca gaggaatgg 180
gaagatgacg tccccccca ggggccctgg gacccaccgc acagctgagc tggcccagc 240
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agcctgggag gcccagccc tgggtgctca gatccagaag ctgaaggaa agatgaggag 360
gcaccaagag agccttggag gaggcgccta agtttcccc agtgcccaca gcacctccg 420
gcactgaaaa tacacgcacc acccaccagg agccttggga tcataaacac ccagcgtct 480
tcccaggcca gagaaagtgg aagagaccac aaaccgcagg caattggcag gcagtgggg 540
agccagggct ctgcagtctt agtcccatc ccttttgatc tcacagcagg cagggcacca 600
caggccttac taggaattca cctggacca tgccctaaaa taacctcacc ccaaatacaa 660
taaagggacg aggcaa

```

<210> 247

<211> 2255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1003916

<400> 247

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ccggtgcgtc ctgggtctgt ctgcgcggag tccccgggg cgcgaggaga ggggactgga 60
gaaagaggag ggccgggcag cggaggggag gaggcggtgc gtgcctcgcc tgccaaagg 120
agatccgctc ctctgcgtgc gatccccggc gcccgcgcgc gccacagcg ctccgccaga 180
gctgccgcgc cggactcgcc gggagtgggg gtctccgctg gtgccagccc gcttctggag 240
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tagggacaga ggcaaagaag ggcaggacgg tcgggttcc cgtggatgtt cccgcccgag 360
aaagacagca agttgtgtgt gcgccggga cgcgggaggg aaggtagccg ccgcccgcca 420
gccatggacc atcatcttta gtgcagagga tggaaagtgt atgccagta agactgaaga 480
tccattctgc attacggaac tgtggattat ctgtgggtcc ctggtgattt cacaccttca 540
ttactcctg cagtccctga aacttactt ggggtctca ttgcccata tggtgaaaga 600
tggcatccag cctgacttgt actggagtaa tctgggcttt gctgtctttt ctttgtgtgt 660
ccacctcctg cgtgggggtt tttatgcctt actggctctg gggatcacag ctgggcaagc 720
ctgtgtcctt cgttacctt cggaggtgct catatcctgt gcattgatg agtcggcaga 780
tgatggtgat ggtggaggaa tgtgggcgct atgcctcctt ccagggcata ccagcgcgag 840
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cacacacaca cacacacaca cacacacaca acaaatctac atatacaaac aagggttttg 1560
gttatgttgg gaaagagggt aaccccaag agtctctctg tgggcaggt cactcccaaa 1620
agcacacaag cacatacaga catatgcctc cccacacag cctatgcaca aacgtggatt 1740
atgcacaga ctgggagggt tagtggtgca tttctctctt gttttctttt taatatacat 1800
tt taca gtattatcac ttataaac atacattt cctaattt gttttcttt 1860
gcaaaactat cagtattttg tatatcctgc ataaactcta atttagttcc tcaacatatt 1920
ttcagtgttt atgcagacct ttagagttaa gcctttgtat ttccatgtta ttccacaata 1980
tgaatatatt ctctgagtag ctctgctat gatatttcta tgaagaaaag gggaacttt 2040

```

```

ctgtccacta taggagagaa ttcagccgaa gatatgagag taatgagaga cattttccag 2100
tcattggatc gtgtttttctt ttgtccatta ttgtactgtg ctgtaccaca tttattttcta 2160
tattcattttt gtaaaaaaatt taaaagtgtc attttgtttg tatttgaaaa tctctgtgaa 2220
taaattctct ctttgatcaa tagcaaaaaa aaaaa 2255

```

```

<210> 248
<211> 1223
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2093492

```

```

<400> 248
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gggaactcac aggcattccag ccaggcacat ccctgtcac cctgatgggc ttcaggctgg 120
agggcatttt cccagcggcg ctgctgcccc tgttgcgtgac catgattctt ttctggggcc 180
cactgatgca gctctctatg gattgccctt gtgacctggc agatgggctg aagggtgtcc 240
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tcgccccgct gacagaggag ctggtgttcc gggcctgtat gctgcccatt ttagcacctg 360
gcattgggctt gggcctgct gtgttcacct gcccgctctt ttttgagtt gcccattttc 420
accatattat tgagcagctg cgtttccgcc agagcagcgt ggggaacatc ttcttgtctg 480
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gcacaggaca cctgattggg ccggttctct gccattcctt ctgcaattac atgggtttcc 600
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gccttccctt ttgtgtgctt ttggagcggg caggggactc agaggctccc ctgtgtctct 780
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ccaggagcca cacactcctt tctcacttt ggactgtgc ttctcttagc tctctgctt 1080
ctgaaaagct gctcgggggt ttttatttat aaaacctct cccaccccc accccccaac 1140
ttctgggtt ttctcattgt ctttttgcac cagtactttg tattgggata ttaaagagat 1200
ttaacttggg taaaaaaaaa aaa 1223

```

```

<210> 249
<211> 1188
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2108789

```

```

<400> 249
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ttcattctgc agcggcatgg tccctcccat tctggctcca cctgcagcct ccctgggtgg 240
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ttctggcccc cggctcccca cacagctggg actggcctgg atggctgtcc tggtagcccc 360
tgccccctt gacagaggga gctgggcctc cctcctct ctgtaactcc cgccttcacc 420
agaactcgagg acacctggc cctgctgagg catcacagtc ttcagcccag cacagaagca 480

```

```

agacaaaatc agtgggtctt agagtttaga aaacaagaca gactctcaga tgaaagatct 540
gacaagcacc gtggccagtc acagggagag acttgatgtc tggcctttta attcctctc 600
tgccaggggtg ggtcctggga cctctaattgt gggcatgtcg tccaccccag gacgagccat 660
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ccaccttgcc cttgaaggat gggcctgctg cactgtctcc tctccacccc cataccacac 840
tgggggggtct gagccacccc cctcagcccc gttcgggtca gaccgacccc cactccatcc 900
ccagacctgc agcacaagtg cgcggggcctg tctcccagg ggctggggcg actccatctg 960
caatcagtag cgagcagccg ggccccacag accctcatgc actctcttac gtgccattct 1020
ccccagactt tttttgtact taatgtatga aagatccaaa ctaatatgtc tgtaaaaagg 1080
agagacaaat taatatagct tattctataa atatatctgt atataaaggt ttctgtatat 1140
tgtatagagc tgtgtataaa ctggatgtag aagcacaaaa aaaaaaaaa 1188

```

<210> 250

<211> 1792

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2171401

<400> 250

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ggattcttgt ttggcctcct gggcgccgtg tggtgctca gctcgggcca cggagaggag 180
cagccccctg agacagcggc acagaggctg ttctgccagg ttagtggtta cttggatgat 240
tgtacctgtg atgttgaaac cattgataga tttaataact acaggctttt cccaagacta 300
caaaaaactt ttgaaagtga ctactttagg tattacaagg taaacctgaa gaggcctgtg 360
cctttctgga atgacatcag ccagtgtgga agaagggact gtgctgtcaa accatgtcaa 420
tctgatgaag ttcctgatgg aattaaatct gcgagctaca agtattctga agaagccaat 480
aatctcattg aagaatgtga acaagctgaa cgacttggag cagtggatga atctctgagt 540
gaggaaacac agaaggctgt tcttcagtgg accaagcatg atgattcttc agataacttc 600
tgtgaagctg atgacattca gtcccctgaa gctgaatatg tagatttgct tcttaatcct 660
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gaaaactgtt ttaagccaca gacaattaaa agacctttaa atcctttggc ttctgggtcaa 780
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gcattctaca gacttatatc tggcctacat gcaagcatta atgtgcattt gactgcaaga 900
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<212> DNA

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<223> Incyte Clone No: 2280161

<400> 253

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<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte Clone No: 2287485

<400> 254

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<211> 1545

<212> DNA

<213> Homo sapiens

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<223> Incyte Clone No: 2380344

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<211> 1671

<212> DNA

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<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<400> 257

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<210> 259

<211> 2445

<212> DNA

<213> Homo sapiens

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<223> Incyte Clone No: 2484813

<400> 259

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2445

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<211> 672

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2493851

<400> 260

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<211> 1183

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2495719

<400> 261

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 <223> Incyte Clone No: 2614153

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<220>
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 <223> Incyte Clone No: 265514

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<210> 264

<211> 1056

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2848362

<400> 264

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<210> 265

<211> 1183

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2849906

<400> 265

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<210> 266

<211> 840

<212> DNA

<213> Homo sapiens

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<223> Incyte Clone No: 2899137

<400> 266

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<213> Homo sapiens

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<400> 606

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